

Name	OJ990211_02.9819.C36.o2.gp	Method	AAT/GAP
Start	6677	End	7088
GI	uC-osrocyp003d03a1	Score	689
Exons	6677..7088		
GI Descrip.	'5902672/gb AAC79672.2 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o3.gs	Method	GENSCAN
Start	7017	End	9051
GI	none	Score	.53
Exons	7017..8431, 8525..8653, 8747..8882, 8963..9051		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	7994	End	9054
GI	none	Score	670
Exons	7994..8431, 7995..8432, 7995..8435, 8176..8433, 8514..8654, 8515..8655, 8522..8653, 8722..8859, 8729..8863, 8744..8881, 8745..8888, 8745..8882, 8960..9049, 8960..9010, 8962..9054, 8962..9054		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	8016	End	9049
GI	none	Score	312
Exons	8016..8276, 8018..8239, 8172..8294, 8282..8422, 8286..8432, 8514..8654, 8517..8651, 8519..8653, 8744..8866, 8745..8855, 8755..8886, 8956..9048, 8960..9049		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o3.gp	Method	AAT/GAP
Start	8041	End	8887
GI	4715805	Score	1245
Exons	8041..8431, 8525..8653, 8747..8887		
GI Descrip.	5902672/gb AAC79672.2 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o2.tc	Method	TBLASTX:Cress
Start	8139	End	8338
GI	none	Score	289
Exons	8139..8336, 8141..8338, 8170..8337		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134

Name	OJ990211_02.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	8208	End	8798
GI	none	Score	139
Exons	8208..8432, 8292..8435, 8517..8588, 8520..8609, 8624..8650, 8625..8654, 8745..8798		

Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	8339	End	9049
GI	none	Score	138
Exons	8339..8407, 8340..8432, 8514..8654, 8518..8655, 8519..8659, 8519..8653, 8725..8850, 8740..8847, 8744..8869, 8745..8888, 8745..8882, 8960..9049, 8962..9048		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14198	Strand	+
Start	1	End	2543
Name	OJ990211_02.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	510
GI	6382535	Score	242
Exons	1..137, 217..323, 420..510		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14198	Strand	+
Start	1	End	2543
Name	OJ990211_02.9819.C37.o1.gs	Method	GENSCAN
Start	78	End	2543
GI	none	Score	.68
Exons	78..137, 190..323, 533..589, 2513..2543		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14198	Strand	+
Start	1	End	2543
Name	OJ990211_02.9819.C37.o1.gp	Method	AAT/GAP
Start	917	End	1241
GI	31827_1.R1084	Score	604
Exons	917..1241		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14199	Strand	+
Start	3729	End	4179
Name	OJ990211_02.9819.C37.o2.gp	Method	AAT/GAP
Start	3729	End	4179
GI	4715481	Score	819
Exons	3729..4179		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14200	Strand	-
Start	4044	End	4123
Name	OJ990211_02.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	68	End	524
GI	none	Score	101

Exons 68..136, 69..143, 73..144, 82..144, 214..324, 216..323,
233..325, 409..516, 416..520, 418..516, 426..524

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14200	Strand	-
Start	4044	End	4123
Name	OJ990211_02.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	96	End	630
GI	none	Score	72
Exons	96..143, 214..324, 216..323, 229..324, 417..476, 418..477, 586..630		

Seq. No.	6759	Seq. ID	OJ990211_02.9819.C37
Gene No.	14200	Strand	-
Start	4044	End	4123
Name	OJ990211_02.9819.C37.o2.gs	Method	GENSCAN
Start	4044	End	4123
GI	none	Score	.65
Exons	4044..4123		

Seq. No.	6760	Seq. ID	OJ990211_02.9819.C38
Gene No.	14201	Strand	-
Start	44	End	593
Name	OJ990211_02.9819.C38.o1.gs	Method	GENSCAN
Start	44	End	593
GI	none	Score	.73
Exons	44..347, 481..593		

Seq. No.	6761	Seq. ID	OJ990211_02.9819.C40
Gene No.	14202	Strand	+
Start	639	End	1275
Name	OJ990211_02.9819.C40.o1.np	Method	AAT/NAP
Start	639	End	1275
GI	5091512	Score	823
Exons	639..1275		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	6761	Seq. ID	OJ990211_02.9819.C40
Gene No.	14203	Strand	-
Start	104	End	1292
Name	OJ990211_02.9819.C40.o1.gs	Method	GENSCAN
Start	104	End	1292
GI	none	Score	.8
Exons	104..565, 582..1292		

Seq. No.	6762	Seq. ID	OJ990211_02.9819.C41
Gene No.	14204	Strand	+
Start	592	End	843
Name	OJ990211_02.9819.C41.o1.gp	Method	AAT/GAP
Start	592	End	843
GI	3761181	Score	400
Exons	592..843		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6762	Seq. ID	OJ990211_02.9819.C41
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Gene No. 14205
 Start 610
 Name OJ990211_02.9819.C41.ol.gs
 Start 610
 GI none
 Exons 610..701, 813..912

Strand -
 End 912
 Method GENSCAN
 End 912
 Score .72

Seq. No. 6763
 Gene No. 14206
 Start 198
 Name OJ990211_02.9819.C42.ol.tm
 Start 198
 GI none
 Exons 198..494, 346..489

Seq. ID OJ990211_02.9819.C42
 Strand
 End 494
 Method TBLASTX:Maize
 End 494
 Score 70

Seq. No. 6763
 Gene No. 14207
 Start 575
 Name OJ990211_02.9819.C42.ol.tw
 Start 575
 GI none
 Exons 575..622, 637..891, 638..817

Seq. ID OJ990211_02.9819.C42
 Strand
 End 891
 Method TBLASTX:Wheat
 End 891
 Score 82

Seq. No. 6764
 Gene No. 14208
 Start 1
 Name OJ990211_02.9819.C43.ol.np
 Start 1
 GI 6006864
 Exons 1..70, 991..1105
 GI Descrip. (AC009540) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990211_02.9819.C43
 Strand +
 End 1105
 Method AAT/NAP
 End 1105
 Score 73

Seq. No. 6764
 Gene No. 14209
 Start 293
 Name OJ990211_02.9819.C43.ol.gs
 Start 293
 GI none
 Exons 293..522, 974..1047

Seq. ID OJ990211_02.9819.C43
 Strand -
 End 1047
 Method GENSCAN
 End 1047
 Score .68

Seq. No. 6765
 Gene No. 14210
 Start 1138
 Name OJ990211_02.9819.C45.ol.gs
 Start 1138
 GI none
 Exons 1138..1247

Seq. ID OJ990211_02.9819.C45
 Strand -
 End 1247
 Method GENSCAN
 End 1247
 Score .61

Seq. No. 6766
 Gene No. 14211
 Start 543
 Name OJ990211_02.9819.C47.ol.tm
 Start 538
 GI none
 Exons 538..738, 540..782, 549..737, 807..857, 811..861, 1029..1163, 1032..1163, 1045..1164, 1046..1168, 1051..1164, 1272..1358, 1282..1353, 1283..1360, 1287..1367, 2240..2344, 2252..2341,

Seq. ID OJ990211_02.9819.C47
 Strand -
 End 3009
 Method TBLASTX:Maize
 End 2984
 Score 215

2586..2774, 2606..2776, 2625..2774, 2626..2856, 2630..2803,
2885..2980, 2891..2980, 2892..2984, 2901..2984

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.gs	Method	GENSCAN
Start	543	End	2974
GI	none	Score	.84
Exons	543..719, 807..852, 1047..1162, 2648..2773, 2903..2974		

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.ts	Method	TBLASTX:Soybean
Start	555	End	2980
GI	none	Score	118
Exons	555..737, 556..720, 807..857, 808..861, 1046..1168, 1047..1163, 1282..1359, 1283..1360, 2237..2344, 2240..2344, 2244..2348, 2583..2774, 2606..2776, 2625..2774, 2891..2980, 2896..2979		

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.np	Method	AAT/NAP
Start	573	End	2995
GI	5360754	Score	936
Exons	573..719, 807..852, 1047..1162, 1285..1355, 2248..2343, 2626..2773, 2903..2995		
GI Descrip.	(AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum]		

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.gp	Method	AAT/GAP
Start	1114	End	3009
GI	LIB3434-013-P1-K1-C10	Score	777
Exons	1114..1162, 1285..1355, 2248..2343, 2626..2773, 2903..3009		
GI Descrip.	'5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.tc	Method	TBLASTX:Cress
Start	1274	End	2980
GI	none	Score	61
Exons	1274..1351, 1285..1353, 2246..2344, 2606..2776, 2623..2643, 2625..2774, 2677..2781, 2891..2980, 2898..2975		

Seq. No.	6766	Seq. ID	OJ990211_02.9819.C47
Gene No.	14211	Strand	-
Start	543	End	3009
Name	OJ990211_02.9819.C47.ol.tw	Method	TBLASTX:Wheat
Start	2714	End	2984
GI	none	Score	80
Exons	2714..2776, 2715..2774, 2891..2980, 2892..2984		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	1961
GI	3021508	Score	767
Exons	1..53, 230..298, 374..531, 999..1185, 1255..1303, 1460..1545, 1794..1961		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.tw	Method	TBLASTX:Wheat
Start	1	End	502
GI	none	Score	94
Exons	1..54, 3..59, 4..57, 202..297, 224..298, 231..299, 255..299, 371..502, 374..502		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1887
GI	none	Score	91
Exons	3..59, 4..63, 220..291, 224..298, 231..299, 371..520, 374..520, 393..527, 1003..1200, 1004..1198, 1459..1545, 1460..1558, 1479..1577, 1786..1881, 1794..1886, 1795..1887		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	3	End	1999
GI	none	Score	94
Exons	3..59, 4..57, 220..297, 224..298, 231..299, 371..532, 372..530, 379..534, 991..1071, 991..1116, 999..1091, 1001..1150, 1096..1200, 1103..1201, 1451..1546, 1458..1562, 1459..1545, 1772..1906, 1792..1905, 1794..1910, 1794..1907, 1795..1926, 1916..1945, 1961..1999		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.tc	Method	TBLASTX:Cress
Start	216	End	545
GI	none	Score	83
Exons	216..299, 227..322, 363..425, 368..544, 371..520, 483..545		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o1.gs	Method	GENSCAN
Start	374	End	2012
GI	none	Score	.88
Exons	374..531, 1080..1185, 1255..1303, 1460..1545, 1794..2012		

Seq. No.	6767	Seq. ID	OJ990211_02.9819.C48
Gene No.	14212	Strand	-
Start	1	End	2012
Name	OJ990211_02.9819.C48.o2.tw	Method	TBLASTX:Wheat
Start	999	End	1504
GI	none	Score	119
Exons	999..1106, 1000..1101, 1001..1150, 1096..1200, 1103..1201, 1246..1308, 1256..1309, 1451..1504		

Seq. No.	6768	Seq. ID	OJ990211_02.9819.C49
Gene No.	14213	Strand	+
Start	1867	End	2118
Name	OJ990211_02.9819.C49.o1.gp	Method	AAT/GAP
Start	1867	End	2118
GI	3761181	Score	422
Exons	1867..2118		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6768	Seq. ID	OJ990211_02.9819.C49
Gene No.	14214	Strand	+
Start	2479	End	4272
Name	OJ990211_02.9819.C49.o1.np	Method	AAT/NAP
Start	2479	End	4272
GI	5091513	Score	970
Exons	2479..3305, 4048..4272		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6768	Seq. ID	OJ990211_02.9819.C49
Gene No.	14214	Strand	+
Start	2479	End	4272
Name	OJ990211_02.9819.C49.o1.gs	Method	GENSCAN
Start	2487	End	3209
GI	none	Score	.41
Exons	2487..2763, 2917..3209		

Seq. No.	6769	Seq. ID	OJ990211_02.9819.C50
Gene No.	14215	Strand	+
Start	358	End	3271
Name	OJ990211_02.9819.C50.o1.gs	Method	GENSCAN
Start	358	End	3271
GI	none	Score	.72
Exons	358..472, 1327..1506, 2024..2074, 2362..2519, 2533..2611, 3102..3271		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14216	Strand	+
Start	646	End	802
Name	OJ990211_02.9819.C51.o1.gs	Method	GENSCAN
Start	646	End	802
GI	none	Score	.44
Exons	646..802		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219

Name	OJ990211_02.9819.C51.o1.gp	Method	AAT/GAP
Start	1442	End	2067
GI	36743_1.R1084	Score	1208
Exons	1442..2067		
GI Descrip.	'6018193/gb AAF01786.1 AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]'		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o1.np	Method	AAT/NAP
Start	1506	End	3940
GI	4505337	Score	873
Exons	1506..1749, 1854..2446, 3820..3940		
GI Descrip.	nucleotide binding protein 1 (E.coli MinD like) gi 1709232 sp P53384 NBP_HUMAN NUCLEOTIDE-BINDING PROTEIN (NBP) gi 1082661 pir JC4010 nucleotide-binding protein - human gi 515644 (U01833) putative nucleotide-binding protein [Homo sapiens]		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.gs	Method	GENSCAN
Start	1548	End	7219
GI	none	Score	.69
Exons	1548..2446, 3820..3921, 4051..4199, 4910..4939, 6288..6547, 6779..6993, 7162..7219		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	1551	End	1713
GI	none	Score	126
Exons	1551..1712, 1554..1712, 1579..1713		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	1559	End	3978
GI	none	Score	939
Exons	1559..2425, 1560..2447, 1560..2447, 1576..2448, 2101..2448, 3821..3919, 3822..3920, 3832..3978		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.ts	Method	TBLASTX:Soybean
Start	1644	End	1790
GI	none	Score	168
Exons	1644..1790, 1645..1785		

Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219

Name	OJ990211_02.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	1840	End	2157
GI	none	Score	98
Exons	1840..2046, 1842..2153, 1842..2156, 1843..2157		
Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	2085	End	3920
GI	none	Score	481
Exons	2085..2447, 2086..2448, 3821..3919, 3822..3920		
Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.gp	Method	AAT/GAP
Start	2248	End	4188
GI	62555_1.R1084	Score	801
Exons	2248..2446, 3820..3921, 4051..4188		
GI Descrip.	'4056552/emb CAA22587 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		
Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.tc	Method	TBLASTX:Cress
Start	2259	End	3920
GI	none	Score	213
Exons	2259..2447, 2263..2448, 2263..2448, 3743..3787, 3821..3919, 3822..3920		
Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.tw	Method	TBLASTX:Wheat
Start	2356	End	4081
GI	none	Score	147
Exons	2356..2448, 2356..2445, 2358..2447, 3795..3926, 3821..3928, 3829..3978, 4055..4081		
Seq. No.	6770	Seq. ID	OJ990211_02.9819.C51
Gene No.	14217	Strand	-
Start	1548	End	7219
Name	OJ990211_02.9819.C51.o2.np	Method	AAT/NAP
Start	5442	End	6867
GI	5852084	Score	80
Exons	5442..5562, 6835..6867		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	6771	Seq. ID	OJ990211_02.9819.C52
Gene No.	14218	Strand	-
Start	1	End	1616
Name	OJ990211_02.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	1616
GI	6006359	Score	76
Exons	1..63, 389..489, 1461..1616		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	6772	Seq. ID	OJ990211_02.9819.C53
Gene No.	14219	Strand	-
Start	1727	End	1941
Name	OJ990211_02.9819.C53.ol.gs	Method	GENSCAN
Start	1727	End	1941
GI	none	Score	.88
Exons	1727..1941		

Seq. No.	6773	Seq. ID	OJ990211_02.9819.C54
Gene No.	14220	Strand	-
Start	485	End	993
Name	OJ990211_02.9819.C54.ol.gp	Method	AAT/GAP
Start	485	End	993
GI	LIB3434-055-P1-K1-A2	Score	717
Exons	485..653, 772..993		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14221	Strand	+
Start	40	End	2964
Name	OJ990211_02.9819.C55.ol.gs	Method	GENSCAN
Start	40	End	2728
GI	none	Score	.86
Exons	40..195, 779..894, 981..1080, 1111..1242, 1387..1447, 1553..1650, 2027..2169, 2312..2395, 2683..2728		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14221	Strand	+
Start	40	End	2964
Name	OJ990211_02.9819.C55.ol.np	Method	AAT/NAP
Start	67	End	2725
GI	1184776	Score	1118
Exons	67..195, 779..894, 981..1080, 1153..1299, 1387..1447, 1553..1650, 2027..2169, 2312..2395, 2507..2596, 2683..2725		
GI Descrip.	(U45857) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC4 [Zea mays]		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14221	Strand	+
Start	40	End	2964
Name	OJ990211_02.9819.C55.ol.gp	Method	AAT/GAP
Start	483	End	1651
GI	407_1.R1084	Score	731
Exons	483..513, 779..894, 981..1080, 1153..1247, 1339..1447, 1553..1651		
GI Descrip.	'1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14221	Strand	+
Start	40	End	2964
Name	OJ990211_02.9819.C55.o3.gp	Method	AAT/GAP
Start	641	End	2127
GI	407_1.R1084	Score	885

Exons 641..669, 780..894, 981..1080, 1153..1247, 1339..1447,
1553..1650, 2027..2127
GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate
dehydrogenase GAPC3 [Zea mays]'

Seq. No. 6774 Seq. ID OJ990211_02.9819.C55
Gene No. 14221 Strand +
Start 40 End 2964
Name OJ990211_02.9819.C55.o2.gp Method AAT/GAP
Start 778 End 2055
GI 407_1.R1084 Score 788
Exons 778..894, 981..1080, 1153..1247, 1339..1447, 1553..1650,
2027..2055
GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate
dehydrogenase GAPC3 [Zea mays]'

Seq. No. 6774 Seq. ID OJ990211_02.9819.C55
Gene No. 14221 Strand +
Start 40 End 2964
Name OJ990211_02.9819.C55.o4.gp Method AAT/GAP
Start 1540 End 2964
GI 407_2.R1084 Score 1076
Exons 1540..1650, 2027..2169, 2312..2395, 2605..2964
GI Descrip. '120668/sp|P08477|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE
DEHYDROGENASE, CYTOSOLIC >gi_82399_pir_A24159
glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12),
cytosolic - barley (fragment) >gi_167044 (M36650)
glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare]
>gi_225347_prf_1301218A dehydrogenase, glyceraldehydephosphate
[Hordeum vulgare var. distichum]'

Seq. No. 6774 Seq. ID OJ990211_02.9819.C55
Gene No. 14222 Strand +
Start 3929 End 4361
Name OJ990211_02.9819.C55.o5.gp Method AAT/GAP
Start 3929 End 4361
GI uC-osroM202037b06a1 Score 825
Exons 3929..4361
GI Descrip. '5915836/sp|P93531|C7D7_SOLCH 2.0e-39 CYTOCHROME P450 71D7
>gi_1762144 (U48435) putative cytochrome P450 [Solanum
chacoense]'

Seq. No. 6774 Seq. ID OJ990211_02.9819.C55
Gene No. 14223 Strand -
Start 3869 End 4455
Name OJ990211_02.9819.C55.o2.ts Method TBLASTX:Soybean
Start 85 End 1245
GI none Score 142
Exons 85..195, 100..210, 782..895, 793..894, 967..1080, 978..1079,
981..1082, 1143..1235, 1144..1245, 1144..1218, 1148..1234,
1152..1244

Seq. No. 6774 Seq. ID OJ990211_02.9819.C55
Gene No. 14223 Strand -
Start 3869 End 4455
Name OJ990211_02.9819.C55.o1.tc Method TBLASTX:Cress
Start 94 End 2396

GI	none	Score	156
Exons	94..195, 97..195, 778..894, 779..895, 779..895, 946..1080, 978..1079, 980..1081, 981..1082, 1138..1218, 1139..1240, 1143..1241, 1144..1302, 1152..1301, 1378..1446, 1386..1445, 1548..1649, 1549..1650, 1595..1651, 2016..2102, 2025..2168, 2026..2169, 2027..2170, 2307..2396		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	94	End	1241
GI	none	Score	159
Exons	94..195, 97..195, 779..895, 784..894, 946..1080, 957..1073, 967..1089, 980..1090, 1143..1241, 1144..1239		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	94	End	2912
GI	none	Score	158
Exons	94..195, 94..195, 779..895, 783..902, 784..894, 946..1080, 957..1079, 967..1089, 981..1082, 1142..1240, 1143..1241, 1144..1302, 1152..1313, 1378..1446, 1385..1465, 1548..1649, 1549..1650, 1598..1651, 2025..2168, 2025..2162, 2026..2169, 2027..2170, 2307..2396, 2339..2398, 2341..2397, 2677..2727, 2679..2726, 2681..2728, 2796..2819, 2834..2893, 2898..2912		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o3.ts	Method	TBLASTX:Soybean
Start	1378	End	2396
GI	none	Score	82
Exons	1378..1446, 1385..1465, 1548..1649, 1549..1650, 1595..1651, 2026..2112, 2026..2154, 2027..2158, 2307..2396		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o3.tw	Method	TBLASTX:Wheat
Start	1401	End	2170
GI	none	Score	67
Exons	1401..1442, 1401..1445, 1402..1446, 1403..1465, 1548..1646, 1549..1650, 1595..1651, 2016..2168, 2016..2162, 2023..2169, 2024..2170, 2026..2169, 2027..2170		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o2.tm	Method	TBLASTX:Maize
Start	3857	End	4349
GI	none	Score	211
Exons	3857..4348, 3942..4349		

Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
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Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o2.tw	Method	TBLASTX:Wheat
Start	3869	End	4163
GI	none	Score	171
Exons	3869..4153, 3881..4153, 3883..4155, 3885..4163, 3885..4154		
Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o2.gs	Method	GENSCAN
Start	3869	End	4397
GI	none	Score	.82
Exons	3869..4397		
Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o2.np	Method	AAT/NAP
Start	3878	End	4455
GI	5915836	Score	472
Exons	3878..4455		
GI Descrip.	CYTOCHROME P450 71D7 gi 1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		
Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o2.tc	Method	TBLASTX:Cress
Start	3884	End	4349
GI	none	Score	149
Exons	3884..4345, 3909..4241, 4257..4349		
Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	3887	End	4354
GI	none	Score	155
Exons	3887..4261, 3887..4258, 3888..4265, 4284..4349, 4298..4354		
Seq. No.	6774	Seq. ID	OJ990211_02.9819.C55
Gene No.	14223	Strand	-
Start	3869	End	4455
Name	OJ990211_02.9819.C55.o4.tw	Method	TBLASTX:Wheat
Start	4181	End	4379
GI	none	Score	177
Exons	4181..4357, 4182..4379		
Seq. No.	6775	Seq. ID	OJ990211_02.9819.C56
Gene No.	14224	Strand	-
Start	1	End	583
Name	OJ990211_02.9819.C56.o1.np	Method	AAT/NAP
Start	1	End	538
GI	5915814	Score	147
Exons	1..538		
GI Descrip.	CYTOCHROME P450 71A6 gi 1684716 emb CAA70576 (Y09424)		

cytochrome P450 [Nepeta racemosa]

Seq. No.	6775	Seq. ID	OJ990211_02.9819.C56
Gene No.	14224	Strand	-
Start	1	End	583
Name	OJ990211_02.9819.C56.ol.gs	Method	GENSCAN
Start	153	End	583
GI	none	Score	.55
Exons	153..583		
Seq. No.	6776	Seq. ID	OJ990211_02.9819.C58
Gene No.	14225	Strand	+
Start	1506	End	1946
Name	OJ990211_02.9819.C58.ol.gp	Method	AAT/GAP
Start	1506	End	1946
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	1506..1588, 1926..1946		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6776	Seq. ID	OJ990211_02.9819.C58
Gene No.	14226	Strand	-
Start	686	End	1100
Name	OJ990211_02.9819.C58.ol.gs	Method	GENSCAN
Start	686	End	1100
GI	none	Score	.82
Exons	686..838, 925..1100		
Seq. No.	6777	Seq. ID	OJ990211_02.9819.C59
Gene No.	14227	Strand	+
Start	856	End	1946
Name	OJ990211_02.9819.C59.ol.gs	Method	GENSCAN
Start	856	End	1946
GI	none	Score	.47
Exons	856..999, 1123..1301, 1825..1946		
Seq. No.	6778	Seq. ID	OJ990211_02.9819.C60
Gene No.	14228	Strand	-
Start	444	End	1070
Name	OJ990211_02.9819.C60.ol.gs	Method	GENSCAN
Start	444	End	1070
GI	none	Score	.51
Exons	444..535, 1007..1070		
Seq. No.	6779	Seq. ID	OJ990211_02.9819.C61
Gene No.	14229	Strand	+
Start	2874	End	4474
Name	OJ990211_02.9819.C61.ol.gs	Method	GENSCAN
Start	2874	End	4474
GI	none	Score	.95
Exons	2874..3206, 3208..3291, 3338..3476, 4266..4474		
Seq. No.	6780	Seq. ID	OJ990211_02.9819.C62
Gene No.	14230	Strand	-
Start	117	End	433
Name	OJ990211_02.9819.C62.ol.gs	Method	GENSCAN

Start 117
GI none
Exons 117..261, 369..433

End 433
Score .83

Seq. No. 6781
Gene No. 14231
Start 1
Name OJ990211_02.9819.C65.o1.np
Start 1
GI 5915840
Exons 1..971
GI Descrip. CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]

Seq. ID OJ990211_02.9819.C65
Strand -
End 1013
Method AAT/NAP
End 971
Score 342

Seq. No. 6781
Gene No. 14231
Start 1
Name OJ990211_02.9819.C65.o1.gs
Start 81
GI none
Exons 81..1013

Seq. ID OJ990211_02.9819.C65
Strand -
End 1013
Method GENSCAN
End 1013
Score .82

Seq. No. 6781
Gene No. 14231
Start 1
Name OJ990211_02.9819.C65.o1.tm
Start 586
GI none
Exons 586..726, 588..803, 819..875,

Seq. ID OJ990211_02.9819.C65
Strand -
End 1013
Method TBLASTX:Maize
End 965
Score 88
867..965, 867..914

Seq. No. 6781
Gene No. 14231
Start 1
Name OJ990211_02.9819.C65.o1.ts
Start 603
GI none
Exons 603..647, 696..803, 819..914

Seq. ID OJ990211_02.9819.C65
Strand -
End 1013
Method TBLASTX:Soybean
End 914
Score 114

Seq. No. 6782
Gene No. 14232
Start 1
Name OJ990211_02.9819.C67.o1.np
Start 1
GI 6721172
Exons 1..28, 427..724
GI Descrip. (AC016829) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990211_02.9819.C67
Strand +
End 724
Method AAT/NAP
End 724
Score 118

Seq. No. 6782
Gene No. 14232
Start 1
Name OJ990211_02.9819.C67.o1.gp
Start 84
GI 3107601
Exons 84..473

Seq. ID OJ990211_02.9819.C67
Strand +
End 724
Method AAT/GAP
End 473
Score 651

Seq. No. 6782
Gene No. 14232

Seq. ID OJ990211_02.9819.C67
Strand +

Start 1
 Name OJ990211_02.9819.C67.ol.gs
 Start 193
 GI none
 Exons 193..289, 303..651

End 724
 Method GENSCAN
 End 651
 Score .79

Seq. No. 6783
 Gene No. 14233
 Start 242
 Name OJ990211_02.9819.C68.ol.gs
 Start 242
 GI none
 Exons 242..324, 545..680

Seq. ID OJ990211_02.9819.C68
 Strand +
 End 680
 Method GENSCAN
 End 680
 Score .82

Seq. No. 6784
 Gene No. 14234
 Start 247
 Name OJ990211_02.9819.C70.ol.gp
 Start 247
 GI 15763_1.R1084
 Exons 247..636
 GI Descrip. '6016737/gb|AAF01563.1|AC009325_33 3.0e-11 (AC009325)

Seq. ID OJ990211_02.9819.C70
 Strand +
 End 636
 Method AAT/GAP
 End 636
 Score 724

hypothetical protein [Arabidopsis thaliana]
 >gi_6091741_gb_AAF03453.1 AC010797_29 (AC010797) hypothetical
 protein [Arabidopsis thaliana]'

Seq. No. 6784
 Gene No. 14234
 Start 247
 Name OJ990211_02.9819.C70.ol.gs
 Start 373
 GI none
 Exons 373..484

Seq. ID OJ990211_02.9819.C70
 Strand +
 End 636
 Method GENSCAN
 End 484
 Score .61

Seq. No. 6785
 Gene No. 14235
 Start 768
 Name OJ990211_02.9819.C71.ol.gs
 Start 768
 GI none
 Exons 768..1079

Seq. ID OJ990211_02.9819.C71
 Strand -
 End 1079
 Method GENSCAN
 End 1079
 Score .61

Seq. No. 6786
 Gene No. 14236
 Start 1
 Name OJ990211_02.9819.C72.ol.gp
 Start 1
 GI 407_2.R1084
 Exons 1..23, 302..386, 529..672
 GI Descrip. '120668/sp|P08477|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE

Seq. ID OJ990211_02.9819.C72
 Strand -
 End 723
 Method AAT/GAP
 End 672
 Score 353

DEHYDROGENASE, CYTOSOLIC >gi_82399_pir_A24159
 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12),
 cytosolic - barley (fragment) >gi_167044 (M36650)
 glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare]
 >gi_225347_prf_1301218A dehydrogenase, glyceraldehydphosphate
 [Hordeum vulgare var. distichum]'

Seq. No.	6786	Seq. ID	OJ990211_02.9819.C72
Gene No.	14236	Strand	-
Start	1	End	723
Name	OJ990211_02.9819.C72.o1.np	Method	AAT/NAP
Start	170	End	723
GI	120668	Score	234
Exons	170..386, 529..723		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC gi 82399 pir A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) gi 167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] gi 225347 prf 1301218A dehydrogenase, glyceraldehydephosphate [Hordeum vulgare var. distichum]		

Seq. No.	6786	Seq. ID	OJ990211_02.9819.C72
Gene No.	14236	Strand	-
Start	1	End	723
Name	OJ990211_02.9819.C72.o1.gs	Method	GENSCAN
Start	313	End	670
GI	none	Score	.94
Exons	313..386, 529..670		

Seq. No.	6787	Seq. ID	OJ990211_02.9819.C74
Gene No.	14237	Strand	-
Start	85	End	419
Name	OJ990211_02.9819.C74.o1.tm	Method	TBLASTX:Maize
Start	73	End	414
GI	none	Score	178
Exons	73..414, 92..409, 157..414		

Seq. No.	6787	Seq. ID	OJ990211_02.9819.C74
Gene No.	14237	Strand	-
Start	85	End	419
Name	OJ990211_02.9819.C74.o1.np	Method	AAT/NAP
Start	85	End	419
GI	5915837	Score	326
Exons	85..419		
GI Descrip.	CYTOCHROME P450 71D8 (P450 CP7) gi 3334667 emb CAA71517 (Y10493) putative cytochrome P450 [Glycine max]		

Seq. No.	6787	Seq. ID	OJ990211_02.9819.C74
Gene No.	14237	Strand	-
Start	85	End	419
Name	OJ990211_02.9819.C74.o1.tw	Method	TBLASTX:Wheat
Start	91	End	373
GI	none	Score	198
Exons	91..363, 91..363, 95..373		

Seq. No.	6787	Seq. ID	OJ990211_02.9819.C74
Gene No.	14237	Strand	-
Start	85	End	419
Name	OJ990211_02.9819.C74.o1.ts	Method	TBLASTX:Soybean
Start	97	End	418
GI	none	Score	221
Exons	97..414, 98..418		

Seq. No.	6787	Seq. ID	OJ990211_02.9819.C74
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Gene No. 14237
 Start 85
 Name OJ990211_02.9819.C74.ol.tc
 Start 109
 GI none
 Exons 109..408, 125..409

Strand -
 End 419
 Method TBLASTX:Cress
 End 409
 Score 175

Seq. No. 6787
 Gene No. 14237
 Start 85
 Name OJ990211_02.9819.C74.ol.gs
 Start 132
 GI none
 Exons 132..258

Seq. ID OJ990211_02.9819.C74
 Strand -
 End 419
 Method GENSCAN
 End 258
 Score .56

Seq. No. 6788
 Gene No. 14238
 Start 344
 Name OJ990211_02.9819.C75.ol.gs
 Start 344
 GI none
 Exons 344..416, 513..640

Seq. ID OJ990211_02.9819.C75
 Strand +
 End 640
 Method GENSCAN
 End 640
 Score .91

Seq. No. 6789
 Gene No. 14239
 Start 134
 Name OJ990211_02.9819.C76.ol.gs
 Start 134
 GI none
 Exons 134..447

Seq. ID OJ990211_02.9819.C76
 Strand -
 End 447
 Method GENSCAN
 End 447
 Score .99

Seq. No. 6790
 Gene No. 14240
 Start 915
 Name OJ990211_02.9819.C77.ol.gp
 Start 745
 GI 3761484
 Exons 745..1191

Seq. ID OJ990211_02.9819.C77
 Strand -
 End 1418
 Method AAT/GAP
 End 1191
 Score 793

Seq. No. 6790
 Gene No. 14240
 Start 915
 Name OJ990211_02.9819.C77.ol.gs
 Start 915
 GI none
 Exons 915..1418

Seq. ID OJ990211_02.9819.C77
 Strand -
 End 1418
 Method GENSCAN
 End 1418
 Score .74

Seq. No. 6791
 Gene No. 14241
 Start 428
 Name OJ990211_02.9819.C78.ol.gs
 Start 428
 GI none
 Exons 428..614

Seq. ID OJ990211_02.9819.C78
 Strand +
 End 614
 Method GENSCAN
 End 614
 Score .43

Seq. No. 6791
 Gene No. 14242

Seq. ID OJ990211_02.9819.C78
 Strand -

Start	330	End	383
Name	OJ990211_02.9819.C78.o1.gp	Method	AAT/GAP
Start	330	End	383
GI	3761181	Score	78
Exons	330..383		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	1261
GI	5915836	Score	614
Exons	1..120, 206..523, 653..1261		
GI Descrip.	CYTOCHROME P450 71D7 gi 1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o2.tw	Method	TBLASTX:Wheat
Start	431	End	958
GI	none	Score	74
Exons	431..517, 434..523, 595..957, 602..958, 653..958		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	619	End	1312
GI	none	Score	162
Exons	619..1260, 650..841, 816..905, 887..1312		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	631	End	1225
GI	none	Score	448
Exons	631..756, 632..1225, 784..1215		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o1.tc	Method	TBLASTX:Cress
Start	653	End	1252
GI	none	Score	153
Exons	653..841, 664..756, 787..1245, 881..1252		

Seq. No.	6792	Seq. ID	OJ990211_02.9819.C80
Gene No.	14243	Strand	+
Start	1	End	1312
Name	OJ990211_02.9819.C80.o1.tw	Method	TBLASTX:Wheat
Start	976	End	1258
GI	none	Score	374
Exons	976..1254, 986..1258, 986..1258		

Seq. No.	6793	Seq. ID	OJ990211_02.9819.C82
Gene No.	14244	Strand	
Start	440	End	840
Name	OJ990211_02.9819.C82.o1.ts	Method	TBLASTX:Soybean
Start	440	End	840
GI	none	Score	66
Exons	440..529, 529..591, 659..751, 660..743, 748..792, 799..840		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14245	Strand	+
Start	1	End	1062
Name	OJ990211_03.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1062
GI	5713172	Score	475
Exons	1..129, 494..1062		
GI Descrip.	(AF166332) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14245	Strand	+
Start	1	End	1062
Name	OJ990211_03.9819.C1.o1.gs	Method	GENSCAN
Start	91	End	1061
GI	none	Score	.83
Exons	91..129, 191..251, 565..1061		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14245	Strand	+
Start	1	End	1062
Name	OJ990211_03.9819.C1.o1.gp	Method	AAT/GAP
Start	499	End	1001
GI	uC-osroM202037b06a1	Score	926
Exons	499..1001		
GI Descrip.	'5915836/sp P93531 C7D7_SOLCH 2.0e-39 CYTOCHROME P450 71D7 >gi_1762144 (U48435) putative cytochrome P450 [Solanum chacoense]'		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14246	Strand	-
Start	1609	End	1971
Name	OJ990211_03.9819.C1.o2.gs	Method	GENSCAN
Start	1609	End	1971
GI	none	Score	.78
Exons	1609..1699, 1741..1971		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204
Name	OJ990211_03.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	67	End	1043
GI	none	Score	66
Exons	67..126, 488..553, 489..542, 545..646, 549..632, 665..1042, 669..1043, 672..1043		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204

Name	OJ990211_03.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	67	End	749
GI	none	Score	60
Exons	67..123, 70..114, 75..125, 487..546, 494..553, 549..749, 563..748		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204
Name	OJ990211_03.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	488	End	1046
GI	none	Score	48
Exons	488..547, 567..1046, 581..673, 689..1021		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204
Name	OJ990211_03.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	567	End	1073
GI	none	Score	388
Exons	567..1073, 575..988		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204
Name	OJ990211_03.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	767	End	1061
GI	none	Score	138
Exons	767..1045, 775..1047, 776..1045, 777..1049, 777..1061		

Seq. No.	6794	Seq. ID	OJ990211_03.9819.C1
Gene No.	14247	Strand	-
Start	1922	End	2204
Name	OJ990211_03.9819.C1.o2.gp	Method	AAT/GAP
Start	1922	End	2204
GI	407.3.R1084	Score	490
Exons	1922..2204		
GI Descrip.	'120668/sp P08477 G3PC_HORVU 2.0e-31 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir_A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf_1301218A dehydrogenase, glyceraldehydephosphate [Hordeum vulgare var. distichum]'		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	2474
GI	6166167	Score	1060
Exons	1..132, 275..417, 794..891, 997..1057, 1145..1291, 1364..1463, 1550..1665, 2249..2349, 2447..2474		
GI Descrip.	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC 3 gi 1184774 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.gp	Method	AAT/GAP
Start	48	End	904
GI	407_2.R1084	Score	570
Exons	48..132, 275..417, 794..904		
GI Descrip.	'120668/sp P08477 G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir_A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf_1301218A dehydrogenase, glyceraldehydephosphate [Hordeum vulgare var. distichum]'		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	48	End	2350
GI	none	Score	169
Exons	48..137, 274..417, 275..418, 308..418, 342..428, 793..849, 793..855, 794..895, 795..896, 998..1066, 999..1058, 1142..1300, 1143..1292, 1204..1305, 1226..1306, 1362..1463, 1363..1464, 1364..1498, 1365..1466, 1549..1665, 1550..1666, 1583..1666, 2249..2347, 2249..2350		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	48	End	418
GI	none	Score	59
Exons	48..137, 51..122, 274..417, 275..418, 332..418		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.gs	Method	GENSCAN
Start	48	End	2404
GI	none	Score	.85
Exons	48..132, 275..417, 794..891, 997..1057, 1202..1333, 1364..1463, 1550..1665, 2249..2404		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	48	End	2484
GI	none	Score	92
Exons	48..137, 50..94, 274..417, 275..418, 275..418, 276..419, 282..419, 793..855, 794..895, 795..896, 979..1059, 998..1066, 1131..1292, 1142..1300, 1204..1302, 1355..1477, 1362..1463, 1364..1498, 1365..1487, 1542..1661, 1549..1665, 1550..1660, 1550..1666, 2249..2350, 2249..2350, 2443..2484, 2445..2468		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
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Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o2.tw Method TBLASTX:Wheat
 Start 274 End 1043
 GI none Score 194
 Exons 274..417, 275..421, 275..418, 282..428, 792..887, 793..849,
 794..895, 798..896, 979..1041, 998..1042, 999..1043, 1002..1043

Seq. No. 6795 Seq. ID OJ990211_03.9819.C2
 Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o2.gp Method AAT/GAP
 Start 317 End 1803
 GI 407_1.R1084 Score 889
 Exons 317..417, 794..891, 997..1105, 1197..1291, 1364..1463,
 1550..1664, 1775..1803
 GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate
 dehydrogenase GAPC3 [Zea mays]'

Seq. No. 6795 Seq. ID OJ990211_03.9819.C2
 Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o3.gp Method AAT/GAP
 Start 389 End 1666
 GI 407_1.R1084 Score 788
 Exons 389..417, 794..891, 997..1105, 1197..1291, 1364..1463,
 1550..1666
 GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate
 dehydrogenase GAPC3 [Zea mays]'

Seq. No. 6795 Seq. ID OJ990211_03.9819.C2
 Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o3.ts Method TBLASTX:Soybean
 Start 793 End 1066
 GI none Score 135
 Exons 793..855, 794..895, 795..896, 979..1059, 998..1066

Seq. No. 6795 Seq. ID OJ990211_03.9819.C2
 Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o4.gp Method AAT/GAP
 Start 793 End 1961
 GI 407_1.R1084 Score 731
 Exons 793..891, 997..1105, 1197..1291, 1364..1463, 1550..1665,
 1931..1961
 GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate
 dehydrogenase GAPC3 [Zea mays]'

Seq. No. 6795 Seq. ID OJ990211_03.9819.C2
 Gene No. 14248 Strand -
 Start 1 End 2705
 Name OJ990211_03.9819.C2.o5.gp Method AAT/GAP
 Start 1058 End 2544
 GI 407_1.R1084 Score 756
 Exons 1058..1076, 1198..1291, 1364..1463, 1550..1665, 2249..2349,
 2447..2544

GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	1199	End	2472
GI	none	Score	124
Exons	1199..1300, 1200..1292, 1210..1296, 1226..1300, 1362..1463, 1364..1477, 1365..1466, 1549..1662, 1550..1651, 2234..2344, 2249..2359, 2443..2472, 2445..2471		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	1203	End	2465
GI	none	Score	141
Exons	1203..1301, 1205..1300, 1354..1464, 1355..1477, 1364..1498, 1371..1487, 1549..1665, 1550..1660, 1550..1666, 2249..2347, 2249..2350, 2445..2465		

Seq. No.	6795	Seq. ID	OJ990211_03.9819.C2
Gene No.	14248	Strand	-
Start	1	End	2705
Name	OJ990211_03.9819.C2.o6.gp	Method	AAT/GAP
Start	1364	End	2705
GI	407_1.R1084	Score	749
Exons	1364..1463, 1550..1665, 2249..2349, 2447..2470, 2591..2705		
GI Descrip.	'1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	6796	Seq. ID	OJ990211_03.9819.C3
Gene No.	14249	Strand	+
Start	914	End	1683
Name	OJ990211_03.9819.C3.o1.gp	Method	AAT/GAP
Start	914	End	1422
GI	LIB3434-055-P1-K1-A2	Score	709
Exons	914..1135, 1254..1422		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6796	Seq. ID	OJ990211_03.9819.C3
Gene No.	14249	Strand	+
Start	914	End	1683
Name	OJ990211_03.9819.C3.o1.gs	Method	GENSCAN
Start	1302	End	1683
GI	none	Score	.74
Exons	1302..1683		

Seq. No.	6797	Seq. ID	OJ990211_03.9819.C4
Gene No.	14250	Strand	-
Start	77	End	145
Name	OJ990211_03.9819.C4.o1.gs	Method	GENSCAN
Start	77	End	145
GI	none	Score	.75

Exons 77..145

Seq. No.	6798	Seq. ID	OJ990211_03.9819.C5
Gene No.	14251	Strand	+
Start	1	End	4986
Name	OJ990211_03.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	3013
GI	6006359	Score	72
Exons	1..196, 1168..1268, 2961..3013		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	6798	Seq. ID	OJ990211_03.9819.C5
Gene No.	14251	Strand	+
Start	1	End	4986
Name	OJ990211_03.9819.C5.o1.gs	Method	GENSCAN
Start	1823	End	4970
GI	none	Score	.64
Exons	1823..1880, 2049..2263, 2495..2754, 4103..4132, 4844..4970		

Seq. No.	6798	Seq. ID	OJ990211_03.9819.C5
Gene No.	14251	Strand	+
Start	1	End	4986
Name	OJ990211_03.9819.C5.o2.np	Method	AAT/NAP
Start	2175	End	3600
GI	5852084	Score	80
Exons	2175..2207, 3480..3600		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6798	Seq. ID	OJ990211_03.9819.C5
Gene No.	14251	Strand	+
Start	1	End	4986
Name	OJ990211_03.9819.C5.o1.gp	Method	AAT/GAP
Start	4855	End	4986
GI	62555_1.R1084	Score	243
Exons	4855..4986		
GI Descrip.	'4056552/emb CAA22587 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o1.gs	Method	GENSCAN
Start	784	End	2227
GI	none	Score	.61
Exons	784..850, 1329..1520, 1560..1750, 1811..2227		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	1326	End	1516
GI	none	Score	281
Exons	1326..1511, 1327..1512, 1328..1516		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066

Name	OJ990211_03.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1327	End	2216
GI	none	Score	1430
Exons	1327..2199, 1328..2215, 1332..2210, 1350..2216		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1327	End	1690
GI	none	Score	550
Exons	1327..1689, 1328..1690		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o1.gp	Method	AAT/GAP
Start	1329	End	1527
GI	62555_1.R1084	Score	371
Exons	1329..1527		
GI Descrip.	'4056552/emb CAA22587 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]'		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o1.np	Method	AAT/NAP
Start	1346	End	3066
GI	6754906	Score	789
Exons	1346..1921, 2026..2214, 3021..3066		
GI Descrip.	nucleotide binding protein 1 gi 6018193 gb AAF01786.1 AF114170_1 (AF114170) nucleotide-binding protein long form [Mus musculus]		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	1618	End	1935
GI	none	Score	329
Exons	1618..1932, 1619..1933, 1729..1935		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o2.gp	Method	AAT/GAP
Start	1708	End	2333
GI	36743_1.R1084	Score	1204
Exons	1708..2333		
GI Descrip.	'6018193/gb AAF01786.1 AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]'		

Seq. No.	6799	Seq. ID	OJ990211_03.9819.C6
Gene No.	14252	Strand	+
Start	784	End	3066
Name	OJ990211_03.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	1985	End	2131
GI	none	Score	206

Exons 1985..2131, 1990..2130

Seq. No. 6799
Gene No. 14252
Start 784
Name OJ990211_03.9819.C6.o1.tw
Start 2062
GI none
Exons 2062..2196, 2063..2221

Seq. ID OJ990211_03.9819.C6
Strand +
End 3066
Method TBLASTX:Wheat
End 2221
Score 246

Seq. No. 6800
Gene No. 14253
Start 542
Name OJ990211_03.9819.C8.o1.gs
Start 542
GI none
Exons 542..688

Seq. ID OJ990211_03.9819.C8
Strand -
End 688
Method GENSCAN
End 688
Score .6

Seq. No. 6801
Gene No. 14254
Start 877
Name OJ990211_03.9819.C9.o1.gs
Start 877
GI none
Exons 877..998, 1789..1938, 2801..2858

Seq. ID OJ990211_03.9819.C9
Strand -
End 2858
Method GENSCAN
End 2858
Score .68

Seq. No. 6802
Gene No. 14255
Start 345
Name OJ990211_03.9819.C10.o1.gs
Start 345
GI none
Exons 345..483, 1884..2059, 2146..2286, 2395..2519, 3765..4200

Seq. ID OJ990211_03.9819.C10
Strand +
End 4200
Method GENSCAN
End 4200
Score .65

Seq. No. 6803
Gene No. 14256
Start 122
Name OJ990211_03.9819.C11.o1.gs
Start 122
GI none
Exons 122..466, 666..752

Seq. ID OJ990211_03.9819.C11
Strand +
End 752
Method GENSCAN
End 752
Score .6

Seq. No. 6804
Gene No. 14257
Start 2672
Name OJ990211_03.9819.C14.o1.tm
Start 2667
GI none
Exons 2667..2867, 2669..2911, 2678..2866, 2936..3013, 2940..2990

Seq. ID OJ990211_03.9819.C14
Strand -
End 3232
Method TBLASTX:Maize
End 3013
Score 215

Seq. No. 6804
Gene No. 14257
Start 2672
Name OJ990211_03.9819.C14.o2.gs
Start 2672
GI none
Exons 2672..2848, 2936..2981

Seq. ID OJ990211_03.9819.C14
Strand -
End 3232
Method GENSCAN
End 2981
Score .96

Seq. No.	6804	Seq. ID	OJ990211_03.9819.C14
Gene No.	14257	Strand	-
Start	2672	End	3232
Name	OJ990211_03.9819.C14.o1.np	Method	AAT/NAP
Start	2684	End	3232
GI	3021508	Score	270
Exons	2684..2848, 2936..3051, 3114..3232		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	6804	Seq. ID	OJ990211_03.9819.C14
Gene No.	14257	Strand	-
Start	2672	End	3232
Name	OJ990211_03.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	2684	End	3013
GI	none	Score	118
Exons	2684..2866, 2685..2849, 2936..3013, 2937..2990		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	183	End	2628
GI	none	Score	181
Exons	183..383, 185..427, 194..382, 452..502, 456..506, 677..808, 690..809, 691..813, 696..809, 917..1003, 927..998, 928..1005, 932..1012, 1884..1988, 1896..1985, 2230..2418, 2250..2420, 2269..2418, 2270..2500, 2274..2447, 2529..2624, 2535..2624, 2536..2628, 2545..2628		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.gs	Method	GENSCAN
Start	188	End	2618
GI	none	Score	.84
Exons	188..364, 452..497, 692..807, 2292..2417, 2547..2618		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	200	End	2624
GI	none	Score	95
Exons	200..382, 201..365, 452..502, 453..506, 691..813, 692..808, 927..1004, 928..1005, 1881..1988, 1884..1988, 1888..1992, 2227..2418, 2250..2420, 2269..2418, 2535..2624, 2540..2623		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.np	Method	AAT/NAP
Start	218	End	2639
GI	5360754	Score	915
Exons	218..364, 452..497, 692..807, 930..1000, 1892..1987, 2270..2417, 2547..2639		
GI Descrip.	(AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum]		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.gp	Method	AAT/GAP
Start	759	End	2653
GI	LIB3434-013-P1-K1-C10	Score	777
Exons	759..807, 930..1000, 1892..1987, 2270..2417, 2547..2653		
GI Descrip.	'5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	919	End	2624
GI	none	Score	61
Exons	919..996, 930..998, 1890..1988, 2250..2420, 2267..2287, 2269..2418, 2321..2425, 2535..2624, 2542..2619		

Seq. No.	6805	Seq. ID	OJ990211_03.9819.C15
Gene No.	14258	Strand	-
Start	188	End	2653
Name	OJ990211_03.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	2358	End	2628
GI	none	Score	80
Exons	2358..2420, 2359..2418, 2535..2624, 2536..2628		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14259	Strand	+
Start	4967	End	5218
Name	OJ990211_03.9819.C16.o1.gp	Method	AAT/GAP
Start	4967	End	5218
GI	3761181	Score	430
Exons	4967..5218		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14260	Strand	+
Start	5587	End	8218
Name	OJ990211_03.9819.C16.o2.gs	Method	GENSCAN
Start	5587	End	8035
GI	none	Score	.61
Exons	5587..5863, 6017..6635, 7333..8035		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14260	Strand	+
Start	5587	End	8218
Name	OJ990211_03.9819.C16.o2.np	Method	AAT/NAP
Start	5630	End	8218
GI	5091513	Score	1836
Exons	5630..6590, 7243..8218		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-

Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.np	Method	AAT/NAP
Start	1	End	2302
GI	3021508	Score	757
Exons	1..20, 325..394, 571..639, 715..872, 1340..1526, 1596..1644, 1801..1886, 2135..2302		
GI Descrip.	(AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum]		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.tm	Method	TBLASTX:Maize
Start	329	End	2340
GI	none	Score	104
Exons	329..400, 336..413, 565..639, 572..640, 712..873, 713..871, 720..875, 1332..1412, 1332..1457, 1340..1432, 1342..1491, 1437..1541, 1444..1542, 1792..1887, 1799..1903, 1800..1886, 2113..2247, 2133..2246, 2135..2248, 2136..2267, 2257..2286, 2302..2340		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.ts	Method	TBLASTX:Soybean
Start	329	End	2228
GI	none	Score	101
Exons	329..400, 336..413, 561..632, 565..639, 572..640, 712..861, 715..861, 734..868, 1344..1541, 1345..1539, 1800..1886, 1801..1899, 1820..1918, 2135..2227, 2136..2228		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.tw	Method	TBLASTX:Wheat
Start	329	End	843
GI	none	Score	106
Exons	329..400, 336..413, 337..438, 565..639, 572..640, 596..640, 712..843, 715..843		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.tc	Method	TBLASTX:Cress
Start	557	End	885
GI	none	Score	83
Exons	557..640, 568..663, 709..885, 712..861		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.ol.gs	Method	GENSCAN
Start	715	End	5485
GI	none	Score	.57
Exons	715..872, 1421..1526, 1596..1644, 1801..1886, 2135..2353, 3644..3693, 5188..5485		

Seq. No.	6806	Seq. ID	OJ990211_03.9819.C16
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Gene No.	14261	Strand	-
Start	1	End	5485
Name	OJ990211_03.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	1338	End	-1845
GI	none	Score	96
Exons	1338..1430, 1340..1447, 1341..1442, 1342..1491, 1437..1541, 1444..1542, 1587..1649, 1597..1650, 1792..1845		

Seq. No.	6807	Seq. ID	OJ990211_03.9819.C17
Gene No.	14262	Strand	-
Start	104	End	383
Name	OJ990211_03.9819.C17.o1.gs	Method	GENSCAN
Start	104	End	383
GI	none	Score	.52
Exons	104..126, 236..383		

Seq. No.	6808	Seq. ID	OJ990211_03.9819.C18
Gene No.	14263	Strand	+
Start	377	End	1050
Name	OJ990211_03.9819.C18.o1.gs	Method	GENSCAN
Start	377	End	880
GI	none	Score	.66
Exons	377..880		

Seq. No.	6808	Seq. ID	OJ990211_03.9819.C18
Gene No.	14263	Strand	+
Start	377	End	1050
Name	OJ990211_03.9819.C18.o1.gp	Method	AAT/GAP
Start	604	End	1050
GI	3761484	Score	793
Exons	604..1050		

Seq. No.	6809	Seq. ID	OJ990211_03.9819.C19
Gene No.	14264	Strand	+
Start	1166	End	1767
Name	OJ990211_03.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	299	End	595
GI	none	Score	70
Exons	299..595, 447..590		

Seq. No.	6809	Seq. ID	OJ990211_03.9819.C19
Gene No.	14264	Strand	+
Start	1166	End	1767
Name	OJ990211_03.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	676	End	992
GI	none	Score	82
Exons	676..723, 738..992, 739..918		

Seq. No.	6809	Seq. ID	OJ990211_03.9819.C19
Gene No.	14264	Strand	+
Start	1166	End	1767
Name	OJ990211_03.9819.C19.o1.gs	Method	GENSCAN
Start	1166	End	1767
GI	none	Score	.98
Exons	1166..1193, 1454..1767		

Seq. No.	6810	Seq. ID	OJ990211_03.9819.C20
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Gene No.	14265	Strand	-
Start	1	End	360
Name	OJ990211_03.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	189
GI	5669654	Score	84
Exons	1..189		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	6810	Seq. ID	OJ990211_03.9819.C20
Gene No.	14265	Strand	-
Start	1	End	360
Name	OJ990211_03.9819.C20.o1.gs	Method	GENSCAN
Start	9	End	360
GI	none	Score	.97
Exons	9..360		

Seq. No.	6811	Seq. ID	OJ990211_03.9819.C22
Gene No.	14266	Strand	+
Start	108	End	539
Name	OJ990211_03.9819.C22.o1.gs	Method	GENSCAN
Start	108	End	539
GI	none	Score	.96
Exons	108..539		

Seq. No.	6811	Seq. ID	OJ990211_03.9819.C22
Gene No.	14267	Strand	-
Start	749	End	1266
Name	OJ990211_03.9819.C22.o2.gs	Method	GENSCAN
Start	749	End	1266
GI	none	Score	.84
Exons	749..799, 839..890, 1045..1097, 1190..1266		

Seq. No.	6812	Seq. ID	OJ990211_03.9819.C23
Gene No.	14268	Strand	+
Start	194	End	724
Name	OJ990211_03.9819.C23.o1.gs	Method	GENSCAN
Start	194	End	724
GI	none	Score	.53
Exons	194..223, 632..724		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.gs	Method	GENSCAN
Start	610	End	2313
GI	none	Score	.77
Exons	610..1242, 1372..2313		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.np	Method	AAT/NAP
Start	631	End	2313
GI	5915837	Score	1011
Exons	631..1242, 1372..1777, 1811..2313		
GI Descrip.	CYTOCHROME P450 71D8 (P450 CP7) gi 3334667 emb CAA71517 (Y10493) putative cytochrome P450 [Glycine max]		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	637	End	919
GI	none	Score	200
Exons	637..909, 637..909, 641..919		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	643	End	1242
GI	none	Score	230
Exons	643..1014, 650..1108, 1054..1242, 1139..1231		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	643	End	2215
GI	none	Score	254
Exons	643..1014, 644..1021, 781..1026, 1040..1240, 1054..1293, 1375..1704, 1828..1953, 1996..2103, 2119..2214, 2174..2215		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	670	End	1264
GI	none	Score	204
Exons	670..1263, 680..1111, 1139..1264		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o2.tw	Method	TBLASTX:Wheat
Start	937	End	1466
GI	none	Score	320
Exons	937..1293, 938..1300, 1372..1461, 1378..1464, 1383..1466		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o2.tm	Method	TBLASTX:Maize
Start	1600	End	2230
GI	none	Score	123
Exons	1600..1707, 1828..1962, 1843..1971, 1865..2044, 1999..2103, 2161..2214, 2171..2230		

Seq. No.	6813	Seq. ID	OJ990211_03.9819.C24
Gene No.	14269	Strand	-
Start	610	End	2313
Name	OJ990211_03.9819.C24.o2.tc	Method	TBLASTX:Cress
Start	1843	End	2214
GI	none	Score	63

Exons 1843..2103, 1868..2026, 2167..2214

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o1.gs	Method	GENSCAN
Start	58	End	1438
GI	none	Score	.42
Exons	58..218, 416..512, 526..1438		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o1.gp	Method	AAT/GAP
Start	308	End	696
GI	3107601	Score	674
Exons	308..696		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o1.np	Method	AAT/NAP
Start	623	End	1936
GI	6721172	Score	1079
Exons	623..1936		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	914	End	1852
GI	none	Score	79
Exons	914..1060, 935..1033, 1055..1255, 1070..1423, 1076..1219, 1124..1348, 1132..1347, 1169..1471, 1253..1435, 1283..1474, 1475..1633, 1475..1642, 1502..1648, 1727..1750, 1778..1852		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	920	End	1822
GI	none	Score	77
Exons	920..1063, 1076..1372, 1157..1468, 1250..1468, 1250..1471, 1478..1633, 1697..1822		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936
Name	OJ990211_03.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	1030	End	1345
GI	none	Score	237
Exons	1030..1266, 1037..1297, 1178..1345		

Seq. No.	6814	Seq. ID	OJ990211_03.9819.C25
Gene No.	14270	Strand	+
Start	58	End	1936

Name	OJ990211_03.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	1365	End	1650
GI	none	Score	232
Exons	1365..1637, 1366..1650, 1367..1645		

Seq. No.	6815	Seq. ID	OJ990211_03.9819.C26
Gene No.	14271	Strand	-
Start	605	End	1063
Name	OJ990211_03.9819.C26.o1.gs	Method	GENSCAN
Start	605	End	1063
GI	none	Score	.92
Exons	605..1063		

Seq. No.	6816	Seq. ID	OJ990211_03.9819.C27
Gene No.	14272	Strand	-
Start	574	End	750
Name	OJ990211_03.9819.C27.o1.gs	Method	GENSCAN
Start	574	End	750
GI	none	Score	.49
Exons	574..750		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.gs	Method	GENSCAN
Start	1802	End	3742
GI	none	Score	.57
Exons	1802..2554, 3416..3742		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	1811	End	2074
GI	none	Score	352
Exons	1811..1852, 1825..1968, 1826..2074, 1928..2074		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.np	Method	AAT/NAP
Start	1817	End	3871
GI	6016732	Score	1022
Exons	1817..2557, 3416..3871		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi 6091719 gb AAF03431.1 AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	1828	End	2074
GI	none	Score	257
Exons	1828..1968, 1829..2074		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
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Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	1829	End	3489
GI	none	Score	282
Exons	1829..2086, 1831..1968, 1928..2011, 2114..2320, 2125..2304, 2213..2308, 2258..2305, 2384..2470, 2420..2473, 2480..2557, 2500..2556, 3410..3487, 3415..3489		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	2075	End	3526
GI	none	Score	372
Exons	2075..2347, 2116..2340, 2255..2323, 2384..2482, 2390..2494, 2391..2522, 2430..2555, 2480..2557, 2494..2556, 3402..3506, 3408..3506, 3410..3526, 3410..3520, 3412..3525		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o2.gp	Method	AAT/GAP
Start	2309	End	3476
GI	uC-osflcyp158a11b1	Score	594
Exons	2309..2554, 3416..3476		
GI Descrip.	'6016732/gb AAF01558.1 AC009325_28 9.0e-13 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091719_gb_AAF03431.1 AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	3613	End	3871
GI	none	Score	106
Exons	3613..3687, 3614..3691, 3669..3860, 3686..3871, 3689..3859, 3691..3870		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	3632	End	3871
GI	none	Score	203
Exons	3632..3871, 3632..3850, 3643..3870		

Seq. No.	6817	Seq. ID	OJ990211_03.9819.C28
Gene No.	14273	Strand	+
Start	1802	End	3871
Name	OJ990211_03.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	3656	End	3871
GI	none	Score	311
Exons	3656..3871, 3658..3870		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
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Gene No.	14274	Strand	+
Start	48	End	434
Name	OJ990211_03.9819.C29.o1.gp	Method	AAT/GAP
Start	48	End	434
GI	572337	Score	747
Exons	48..434		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o4.tm	Method	TBLASTX:Maize
Start	9	End	564
GI	none	Score	73
Exons	9..53, 20..136, 24..89, 47..109, 107..205, 126..158, 155..268, 261..311, 261..311, 390..542, 392..541, 502..564		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o2.gp	Method	AAT/GAP
Start	955	End	2867
GI	15763_1.R1084	Score	2323
Exons	955..1790, 1869..1990, 2074..2116, 2203..2315, 2414..2473, 2787..2867		
GI Descrip.	'6016737/gb AAF01563.1 AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o2.gs	Method	GENSCAN
Start	1527	End	5348
GI	none	Score	.77
Exons	1527..1990, 2414..2473, 2787..2856, 3202..3266, 3863..4000, 4079..5348		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o1.np	Method	AAT/NAP
Start	1530	End	5240
GI	6016737	Score	647
Exons	1530..1790, 1869..2013, 2067..2109, 2199..2344, 3859..3983, 4125..5240		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi 6091741 gb AAF03453.1 AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o2.ts	Method	TBLASTX:Soybean
Start	1542	End	1799
GI	none	Score	84
Exons	1542..1748, 1560..1754, 1633..1761, 1761..1799		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o3.tm	Method	TBLASTX:Maize
Start	1599	End	2858
GI	none	Score	184
Exons	1599..1799, 1633..1791, 1830..1991, 1868..1918, 1909..1992, 2064..2120, 2065..2121, 2074..2121, 2178..2315, 2194..2316, 2203..2316, 2207..2317, 2406..2444, 2414..2458, 2764..2853, 2775..2858, 2787..2858		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o3.gp	Method	AAT/GAP
Start	3013	End	4104
GI	LIB3432-004-P1-K1-F10	Score	783
Exons	3013..3266, 3863..4000, 4079..4104		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o2.tm	Method	TBLASTX:Maize
Start	3860	End	4362
GI	none	Score	105
Exons	3860..3982, 3862..3981, 3864..3989, 3909..4001, 3928..4008, 4068..4325, 4069..4338, 4329..4361, 4330..4362		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o6.tm	Method	TBLASTX:Maize
Start	4377	End	4559
GI	none	Score	182
Exons	4377..4559, 4408..4557		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	4471	End	4845
GI	none	Score	91
Exons	4471..4668, 4536..4841, 4596..4763, 4693..4845		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o1.tc	Method	TBLASTX:Cress
Start	4536	End	4761
GI	none	Score	141
Exons	4536..4757, 4537..4761		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-

Start	955	End	5387
Name	OJ990211_03.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	4560	End	5165
GI	none	Score	413
Exons	4560..4952, 4564..4938, 4938..5165, 4942..5163		

Seq. No.	6818	Seq. ID	OJ990211_03.9819.C29
Gene No.	14275	Strand	-
Start	955	End	5387
Name	OJ990211_03.9819.C29.o5.tm	Method	TBLASTX:Maize
Start	5166	End	5387
GI	none	Score	110
Exons	5166..5264, 5170..5262, 5262..5363, 5265..5387, 5272..5364		

Seq. No.	6819	Seq. ID	OJ990211_03.9819.C30
Gene No.	14276	Strand	+
Start	163	End	1345
Name	OJ990211_03.9819.C30.o1.gs	Method	GENSCAN
Start	163	End	1345
GI	none	Score	.63
Exons	163..205, 489..640, 1007..1100, 1237..1345		

Seq. No.	6820	Seq. ID	OJ990211_03.9819.C32
Gene No.	14277	Strand	-
Start	381	End	578
Name	OJ990211_03.9819.C32.o1.gs	Method	GENSCAN
Start	381	End	578
GI	none	Score	.68
Exons	381..578		

Seq. No.	6821	Seq. ID	OJ990211_03.9819.C34
Gene No.	14278	Strand	+
Start	1	End	604
Name	OJ990211_03.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	604
GI	5441880	Score	376
Exons	1..24, 180..255, 370..604		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6821	Seq. ID	OJ990211_03.9819.C34
Gene No.	14278	Strand	+
Start	1	End	604
Name	OJ990211_03.9819.C34.o1.gs	Method	GENSCAN
Start	318	End	572
GI	none	Score	.61
Exons	318..365, 370..572		

Seq. No.	6822	Seq. ID	OJ990211_03.9819.C36
Gene No.	14279	Strand	-
Start	212	End	1420
Name	OJ990211_03.9819.C36.o1.gs	Method	GENSCAN
Start	212	End	1420
GI	none	Score	.66
Exons	212..1420		

Seq. No.	6822	Seq. ID	OJ990211_03.9819.C36
Gene No.	14279	Strand	-
Start	212	End	1420
Name	OJ990211_03.9819.C36.o1.np	Method	AAT/NAP
Start	215	End	1420
GI	1196998	Score	2099
Exons	215..1420		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi 5103202 dbj BAA78838.1 (AP000342) transposase of Tn10 [Plasmid R100] gi 5706382 dbj BAA83097.1 (AB026428) transposase [Methylobacterium aminofaciens] gi 5738092 gb AAD50250.1 AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi 6721110 gb AAF26764.1 AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	6822	Seq. ID	OJ990211_03.9819.C36
Gene No.	14280	Strand	
Start	1380	End	1509
Name	OJ990211_03.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	1380	End	1509
GI	none	Score	177
Exons	1380..1499, 1380..1499, 1381..1509, 1382..1501		

Seq. No.	6823	Seq. ID	OJ990211_03.9819.C37
Gene No.	14281	Strand	+
Start	30	End	398
Name	OJ990211_03.9819.C37.o1.gs	Method	GENSCAN
Start	30	End	398
GI	none	Score	.45
Exons	30..146, 333..398		

Seq. No.	6823	Seq. ID	OJ990211_03.9819.C37
Gene No.	14282	Strand	-
Start	1	End	384
Name	OJ990211_03.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	384
GI	6721512	Score	152
Exons	1..82, 124..238, 269..384		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6824	Seq. ID	OJ990211_03.9819.C38
Gene No.	14283	Strand	+
Start	34	End	3366
Name	OJ990211_03.9819.C38.o1.np	Method	AAT/NAP
Start	34	End	3201
GI	6382527	Score	239
Exons	34..158, 1821..2418, 2871..3201		
GI Descrip.	(AC011020) unknown protein [Arabidopsis thaliana] gi 6728869 gb AAF26942.1 AC008113_13 (AC008113) F12A21.25 [Arabidopsis thaliana]		

Seq. No.	6824	Seq. ID	OJ990211_03.9819.C38
Gene No.	14283	Strand	+
Start	34	End	3366
Name	OJ990211_03.9819.C38.o1.gs	Method	GENSCAN
Start	137	End	3366
GI	none	Score	.52

Exons 137..143, 215..324, 621..768, 1359..1449, 1692..2111, 2278..2418, 2871..3366

Seq. No.	6824	Seq. ID	OJ990211_03.9819.C38
Gene No.	14284	Strand	+
Start	4036	End	4134
Name	OJ990211_03.9819.C38.o1.gp	Method	AAT/GAP
Start	4036	End	4134
GI	uC-osrocyp003d03a1	Score	186
Exons	4036..4134		
GI Descrip.	'5902672/gb AAC79672.2 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	6825	Seq. ID	OJ990211_03.9819.C39
Gene No.	14285	Strand	+
Start	1	End	1854
Name	OJ990211_03.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	1854
GI	6382535	Score	1224
Exons	1..971, 1065..1193, 1287..1422, 1503..1591, 1688..1854		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	6825	Seq. ID	OJ990211_03.9819.C39
Gene No.	14285	Strand	+
Start	1	End	1854
Name	OJ990211_03.9819.C39.o1.gs	Method	GENSCAN
Start	73	End	1799
GI	none	Score	.97
Exons	73..971, 1065..1193, 1287..1422, 1503..1591, 1688..1799		

Seq. No.	6825	Seq. ID	OJ990211_03.9819.C39
Gene No.	14285	Strand	+
Start	1	End	1854
Name	OJ990211_03.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	534	End	1805
GI	none	Score	384
Exons	534..971, 534..971, 535..972, 535..975, 1054..1194, 1062..1193, 1262..1399, 1269..1403, 1284..1421, 1285..1428, 1285..1422, 1500..1589, 1500..1550, 1502..1594, 1502..1594, 1689..1805, 1703..1795		

Seq. No.	6825	Seq. ID	OJ990211_03.9819.C39
Gene No.	14285	Strand	+
Start	1	End	1854
Name	OJ990211_03.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	556	End	1837
GI	none	Score	312
Exons	556..816, 558..779, 712..834, 822..962, 826..972, 1054..1194, 1057..1191, 1059..1193, 1284..1406, 1285..1395, 1295..1426, 1496..1588, 1500..1589, 1692..1805, 1700..1816, 1709..1804, 1802..1837		

Seq. No.	6825	Seq. ID	OJ990211_03.9819.C39
Gene No.	14285	Strand	+
Start	1	End	1854
Name	OJ990211_03.9819.C39.o1.gp	Method	AAT/GAP
Start	581	End	1427

GI 4715805 Score 1245
 Exons 581..971, 1065..1193, 1287..1427
 GI Descrip. 5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]

Seq. No. 6825 Seq. ID OJ990211_03.9819.C39
 Gene No. 14285 Strand +
 Start 1 End 1854
 Name OJ990211_03.9819.C39.o2.tc Method TBLASTX:Cress
 Start 679 End 878
 GI none Score 289
 Exons 679..876, 681..878

Seq. No. 6825 Seq. ID OJ990211_03.9819.C39
 Gene No. 14285 Strand +
 Start 1 End 1854
 Name OJ990211_03.9819.C39.o1.tw Method TBLASTX:Wheat
 Start 748 End 1338
 GI none Score 139
 Exons 748..972, 832..975, 1057..1128, 1060..1149, 1164..1190, 1165..1194, 1285..1338

Seq. No. 6825 Seq. ID OJ990211_03.9819.C39
 Gene No. 14285 Strand +
 Start 1 End 1854
 Name OJ990211_03.9819.C39.o1.tc Method TBLASTX:Cress
 Start 879 End 1589
 GI none Score 138
 Exons 879..947, 880..972, 1054..1194, 1059..1199, 1059..1193, 1265..1390, 1280..1387, 1284..1409, 1285..1428, 1285..1422, 1500..1589, 1502..1588

Seq. No. 6826 Seq. ID OJ990211_03.9819.C40
 Gene No. 14286 Strand +
 Start 286 End 610
 Name OJ990211_03.9819.C40.o1.gp Method AAT/GAP
 Start 286 End 610
 GI 31827_1.R1084 Score 608
 Exons 286..610
 GI Descrip. '4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'

Seq. No. 6826 Seq. ID OJ990211_03.9819.C40
 Gene No. 14287 Strand +
 Start 3100 End 3550
 Name OJ990211_03.9819.C40.o2.gp Method AAT/GAP
 Start 3100 End 3550
 GI 4715481 Score 819
 Exons 3100..3550

Seq. No. 6827 Seq. ID OJ990211_03.9819.C41
 Gene No. 14288 Strand -
 Start 530 End 594
 Name OJ990211_03.9819.C41.o1.gs Method GENSCAN
 Start 530 End 594
 GI none Score .98
 Exons 530..594

Seq. No.	6828	Seq. ID	OJ990211_03.9819.C43
Gene No.	14289	Strand	-
Start	749	End	1129
Name	OJ990211_03.9819.C43.o1.gs	Method	GENSCAN
Start	749	End	1129
GI	none	Score	.58
Exons	749..1008, 1123..1129		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14290	Strand	+
Start	306	End	1437
Name	OJ990211_03.9819.C44.o1.gp	Method	AAT/GAP
Start	306	End	1437
GI	3995_1.R1084	Score	786
Exons	306..412, 1112..1437		
GI Descrip.	'4886282/emb CAB43434.1 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]'		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.gp	Method	AAT/GAP
Start	5423	End	5761
GI	2310943	Score	641
Exons	5423..5761		
GI Descrip.	4886282/emb CAB43434.1 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.gs	Method	GENSCAN
Start	5532	End	12910
GI	none	Score	.71
Exons	5532..6746, 7176..7317, 7360..7525, 8677..8842, 9623..9770, 9939..10046, 10178..10259, 11276..11540, 12593..12661, 12749..12910		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.np	Method	AAT/NAP
Start	5535	End	7719
GI	6728978	Score	393
Exons	5535..5655, 5851..6843, 7685..7719		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.tm	Method	TBLASTX:Maize
Start	5604	End	5864
GI	none	Score	404
Exons	5604..5864, 5630..5863		
Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44

Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o1.np	Method	AAT/NAP
Start	5613	End	6860
GI	4886282	Score	304
Exons	5613..6860		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	5622	End	6782
GI	none	Score	323
Exons	5622..5909, 5630..5884, 6000..6050, 6096..6254, 6354..6665, 6557..6628, 6686..6751, 6687..6782		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.tc	Method	TBLASTX:Cress
Start	5622	End	5870
GI	none	Score	241
Exons	5622..5870, 5630..5869		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.tw	Method	TBLASTX:Wheat
Start	5628	End	5843
GI	none	Score	205
Exons	5628..5843, 5633..5800		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o3.tm	Method	TBLASTX:Maize
Start	6540	End	6800
GI	none	Score	100
Exons	6540..6629, 6540..6629, 6556..6630, 6557..6631, 6612..6800, 6613..6759, 6618..6800		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o3.tc	Method	TBLASTX:Cress
Start	6555	End	6842
GI	none	Score	89
Exons	6555..6668, 6693..6842		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o3.gp	Method	AAT/GAP
Start	8283	End	8368
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	8283..8368		

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
sativa]'

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o4.gp	Method	AAT/GAP
Start	9362	End	13002
GI	18266_1.R1084	Score	1863
Exons	9362..9517, 9623..9770, 9939..10046, 10135..10261, 11276..11540, 12593..12661, 12749..12910, 12986..13002		

GI Descrip. '1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis
thaliana]'

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	9665	End	12910
GI	none	Score	104
Exons	9665..9733, 9675..9734, 9936..10046, 9936..10046, 9941..10069, 9941..10057, 10132..10263, 10134..10259, 11241..11540, 11278..11541, 11278..11541, 12592..12660, 12593..12664, 12593..12661, 12603..12665, 12746..12910, 12754..12909		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	9669	End	12910
GI	none	Score	73
Exons	9669..9734, 9779..9832, 9936..10046, 9941..10045, 10132..10263, 10134..10256, 11241..11537, 11276..11428, 11424..11492, 12596..12664, 12604..12660, 12715..12897, 12746..12898, 12746..12910		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o3.np	Method	AAT/NAP
Start	9672	End	13002
GI	6689637	Score	1131
Exons	9672..9770, 9939..10046, 10135..10259, 11276..11540, 12593..12661, 12749..13002		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	9936	End	11386
GI	none	Score	166
Exons	9936..10046, 9936..10046, 9938..10069, 9938..10057, 10132..10263, 10134..10259, 11241..11381, 11273..11386, 11275..11382		

Seq. No.	6829	Seq. ID	OJ990211_03.9819.C44
Gene No.	14291	Strand	+
Start	5532	End	13002
Name	OJ990211_03.9819.C44.o2.ts	Method	TBLASTX:Soybean
Start	9936	End	12910
GI	none	Score	143
Exons	9936..10046, 9938..10045, 10110..10256, 10126..10263, 10172..10264, 11241..11528, 11277..11495, 11279..11563, 12586..12666, 12602..12664, 12715..12891, 12746..12910, 12746..12910		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14292	Strand	+
Start	1	End	497
Name	OJ990211_03.9819.C45.o1.gp	Method	AAT/GAP
Start	1	End	497
GI	18266_1.R1084	Score	727
Exons	1..36, 138..497		
GI Descrip.	'1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14292	Strand	+
Start	1	End	497
Name	OJ990211_03.9819.C45.o1.np	Method	AAT/NAP
Start	1	End	286
GI	6689637	Score	219
Exons	1..36, 138..286		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14292	Strand	+
Start	1	End	497
Name	OJ990211_03.9819.C45.o1.gs	Method	GENSCAN
Start	138	End	289
GI	none	Score	.99
Exons	138..289		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14293	Strand	-
Start	1120	End	3751
Name	OJ990211_03.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	4	End	452
GI	none	Score	40
Exons	4..36, 132..161, 137..160, 152..277, 160..285, 161..289, 163..291, 165..293, 165..302, 318..341, 372..452		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14293	Strand	-
Start	1120	End	3751
Name	OJ990211_03.9819.C45.o2.gp	Method	AAT/GAP
Start	910	End	1417
GI	none	Score	981
Exons	910..1417		

Seq. No.	6830	Seq. ID	OJ990211_03.9819.C45
Gene No.	14293	Strand	-

Start	1120	End	3751
Name	OJ990211_03.9819.C45.o2.gs	Method	GENSCAN
Start	1120	End	3751
GI	none	Score	.91
Exons	1120..2514, 2566..3589, 3681..3751		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14294	Strand	+
Start	128	End	2249
Name	OJ990211_03.9819.C46.o1.gs	Method	GENSCAN
Start	128	End	2249
GI	none	Score	.47
Exons	128..420, 589..730, 1110..1270, 2078..2249		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o1.np	Method	AAT/NAP
Start	4922	End	5979
GI	6721543	Score	171
Exons	4922..5050, 5863..5979		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o1.gp	Method	AAT/GAP
Start	4936	End	5088
GI	7406_1.R1084	Score	221
Exons	4936..5088		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o2.gs	Method	GENSCAN
Start	5539	End	11767
GI	none	Score	.53
Exons	5539..7670, 7872..8167, 8607..8757, 8863..9109, 9284..9694, 9786..10084, 10161..10321, 10664..10745, 11008..11139, 11202..11249, 11254..11456, 11607..11767		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o2.np	Method	AAT/NAP
Start	5992	End	11488
GI	5441880	Score	4734
Exons	5992..6997, 7442..7473, 7732..8047, 8607..8757, 8863..9199, 9786..10084, 10161..10419, 10664..10761, 11008..11139, 11254..11488		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
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Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o2.gp	Method	AAT/GAP
Start	6596	End	7027
GI	5701669	Score	837
Exons	6596..7027		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o3.gp	Method	AAT/GAP
Start	9912	End	10411
GI	LIB3475-007-P1-K1-G8	Score	781
Exons	9912..10084, 10161..10411		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o4.gp	Method	AAT/GAP
Start	11592	End	13407
GI	LIB3431-045-P1-N1-A10	Score	817
Exons	11592..11935, 13298..13407		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14295	Strand	+
Start	4922	End	13743
Name	OJ990211_03.9819.C46.o3.gs	Method	GENSCAN
Start	11994	End	13743
GI	none	Score	.62
Exons	11994..11996, 12179..12337, 12404..12481, 13621..13743		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14296	Strand	+
Start	22860	End	26476
Name	OJ990211_03.9819.C46.o4.np	Method	AAT/NAP
Start	22860	End	26476
GI	6598759	Score	52
Exons	22860..22896, 24332..24405, 26432..26476		
GI Descrip.	(AC007295) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14297	Strand	-
Start	14247	End	14783
Name	OJ990211_03.9819.C46.o4.gs	Method	GENSCAN
Start	14247	End	14783
GI	none	Score	1
Exons	14247..14783		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
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Gene No.	14298	Strand	-
Start	15346	End	20886
Name	OJ990211_03.9819.C46.o5.gs	Method	GENSCAN
Start	15346	End	20886
GI	none	Score	.64
Exons	15346..15605, 15994..20121, 20832..20886		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14298	Strand	-
Start	15346	End	20886
Name	OJ990211_03.9819.C46.o3.np	Method	AAT/NAP
Start	15977	End	20113
GI	4234852	Score	4378
Exons	15977..19910, 19953..20113		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o2.tm	Method	TBLASTX:Maize
Start	6553	End	7149
GI	none	Score	93
Exons	6553..6681, 6561..6659, 6715..7014, 6732..6953, 7078..7149		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o3.tw	Method	TBLASTX:Wheat
Start	6847	End	7227
GI	none	Score	204
Exons	6847..7041, 6856..7053, 7047..7157, 7051..7227, 7051..7197		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o7.tm	Method	TBLASTX:Maize
Start	16016	End	16474
GI	none	Score	55
Exons	16016..16207, 16256..16432, 16415..16474		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o4.tw	Method	TBLASTX:Wheat
Start	16028	End	16427
GI	none	Score	118
Exons	16028..16423, 16194..16427		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o3.ts	Method	TBLASTX:Soybean
Start	16031	End	16597
GI	none	Score	131
Exons	16031..16222, 16211..16402, 16415..16597		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
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Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o3.tm	Method	TBLASTX:Maize
Start	16487	End	16918
GI	none	Score	131
Exons	16487..16783, 16488..16643, 16757..16918		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	16583	End	17363
GI	none	Score	152
Exons	16583..17032, 16587..17033, 17009..17362, 17018..17362, 17019..17363		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o4.tm	Method	TBLASTX:Maize
Start	16919	End	17362
GI	none	Score	139
Exons	16919..17020, 17054..17362, 17055..17345		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	17054	End	17491
GI	5509260	Score	44
Exons	17054..17491, 17055..17087, 17130..17402		
GI Descrip.	-		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o1.tc	Method	TBLASTX:Cress
Start	17144	End	17404
GI	none	Score	116
Exons	17144..17404, 17166..17402		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o4.ts	Method	TBLASTX:Soybean
Start	17972	End	18358
GI	none	Score	79
Exons	17972..18145, 18149..18358, 18177..18356		

Seq. No.	6831	Seq. ID	OJ990211_03.9819.C46
Gene No.	14299	Strand	-
Start	21241	End	27598
Name	OJ990211_03.9819.C46.o2.tw	Method	TBLASTX:Wheat
Start	17975	End	18637
GI	none	Score	35
Exons	17975..18073, 18000..18074, 18053..18358, 18075..18335, 18398..18637, 18399..18419, 18468..18623		

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o2.tc
 Start 17978
 GI none
 Exons 17978..18145, 18158..18358

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Cress
 End 18358
 Score 123

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o6.tm
 Start 18164
 GI none
 Exons 18164..18349, 18186..18347, 18398..18622

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Maize
 End 18622
 Score 85

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o2.ts
 Start 18413
 GI none
 Exons 18413..18799, 18471..18554, 18582..18788

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Soybean
 End 18799
 Score 38

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o1.tm
 Start 19013
 GI none
 Exons 19013..19114, 19116..19166, 19271..19402, 19290..19331, 19412..20020, 19443..20021

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Maize
 End 20021
 Score 50

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o6.gs
 Start 21241
 GI none
 Exons 21241..21659, 22264..22302, 26552..26646, 27591..27598

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method GENSCAN
 End 27598
 Score .74

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o5.tm
 Start 24792
 GI none
 Exons 24792..24899, 24792..24899, 24793..24900, 24977..25123, 24980..25111

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Maize
 End 25123
 Score 101

Seq. No. 6831
 Gene No. 14299
 Start 21241
 Name OJ990211_03.9819.C46.o5.ts
 Start 24792
 GI none

Seq. ID OJ990211_03.9819.C46
 Strand -
 End 27598
 Method TBLASTX:Soybean
 End 25096
 Score 75

Exons 24792..24899, 24792..24899, 24793..24900, 24977..25096,
24980..25081

Seq. No.	6832	Seq. ID	OJ990211_03.9819.C48
Gene No.	14300	Strand	-
Start	1	End	1118
Name	OJ990211_03.9819.C48.ol.np	Method	AAT/NAP
Start	1	End	1118
GI	5441880	Score	466
Exons	1..409, 515..753, 1095..1118		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6832	Seq. ID	OJ990211_03.9819.C48
Gene No.	14300	Strand	-
Start	1	End	1118
Name	OJ990211_03.9819.C48.ol.gs	Method	GENSCAN
Start	334	End	663
GI	none	Score	.73
Exons	334..409, 515..663		

Seq. No.	6833	Seq. ID	OJ990211_03.9819.C51
Gene No.	14301	Strand	+
Start	448	End	2382
Name	OJ990211_03.9819.C51.ol.gs	Method	GENSCAN
Start	448	End	2218
GI	none	Score	.84
Exons	448..575, 697..763, 1283..1388, 1481..1598, 2099..2218		

Seq. No.	6833	Seq. ID	OJ990211_03.9819.C51
Gene No.	14301	Strand	+
Start	448	End	2382
Name	OJ990211_03.9819.C51.ol.np	Method	AAT/NAP
Start	459	End	2382
GI	4584525	Score	181
Exons	459..575, 697..763, 1283..1388, 1481..1616, 2079..2223, 2295..2382		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	6834	Seq. ID	OJ990211_03.9819.C52
Gene No.	14302	Strand	+
Start	761	End	908
Name	OJ990211_03.9819.C52.ol.np	Method	AAT/NAP
Start	761	End	908
GI	499014	Score	98
Exons	761..908		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi 1395188 dbj BAA10942 (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	6834	Seq. ID	OJ990211_03.9819.C52
Gene No.	14303	Strand	+
Start	1314	End	1532
Name	OJ990211_03.9819.C52.ol.gs	Method	GENSCAN
Start	1314	End	1492

GI	none	Score	.56
Exons	1314..1492		
Seq. No.	6834	Seq. ID	OJ990211_03.9819.C52
Gene No.	14303	Strand	+
Start	1314	End	1532
Name	OJ990211_03.9819.C52.o2.np	Method	AAT/NAP
Start	1317	End	1532
GI	4678261	Score	154
Exons	1317..1532		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14304	Strand	+
Start	86	End	152
Name	OJ990211_03.9819.C53.o1.gp	Method	AAT/GAP
Start	86	End	152
GI	none	Score	94
Exons	86..152		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14305	Strand	+
Start	146	End	2429
Name	OJ990211_03.9819.C53.o2.gp	Method	AAT/GAP
Start	146	End	465
GI	82047_1.R1084	Score	549
Exons	146..465		
GI Descrip.	'4678261/emb CAB41122.1 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14305	Strand	+
Start	146	End	2429
Name	OJ990211_03.9819.C53.o1.gs	Method	GENSCAN
Start	209	End	469
GI	none	Score	.75
Exons	209..469		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14305	Strand	+
Start	146	End	2429
Name	OJ990211_03.9819.C53.o1.np	Method	AAT/NAP
Start	212	End	2429
GI	4678261	Score	211
Exons	212..482, 2378..2429		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14306	Strand	-
Start	1	End	2029
Name	OJ990211_03.9819.C53.o2.np	Method	AAT/NAP
Start	1	End	2029
GI	6723793	Score	48
Exons	1..27, 784..850, 1863..2029		
GI Descrip.	(AJ271079) Ycf2 protein [Oenothera elata subsp. hookeri]		

gi|6723830|emb|CAB67242.1| (AJ271079) Ycf2 protein [Oenothera elata subsp. hookeri]

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14306	Strand	-
Start	1	End	2029
Name	OJ990211_03.9819.C53.o1.tc	Method	TBLASTX:Cress
Start	108	End	490
GI	none	Score	40
Exons	108..161, 218..490		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14306	Strand	-
Start	1	End	2029
Name	OJ990211_03.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	221	End	490
GI	none	Score	330
Exons	221..490, 241..372, 347..478		

Seq. No.	6835	Seq. ID	OJ990211_03.9819.C53
Gene No.	14306	Strand	-
Start	1	End	2029
Name	OJ990211_03.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	221	End	490
GI	none	Score	213
Exons	221..490		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14307	Strand	+
Start	1	End	1690
Name	OJ990211_03.9819.C54.o1.np	Method	AAT/NAP
Start	1	End	1423
GI	4678261	Score	1193
Exons	1..156, 241..386, 480..699, 765..879, 916..1137, 1252..1423		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14307	Strand	+
Start	1	End	1690
Name	OJ990211_03.9819.C54.o1.gp	Method	AAT/GAP
Start	66	End	152
GI	82047_1.R1084	Score	143
Exons	66..152		
GI Descrip.	'4678261/emb CAB41122.1 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14307	Strand	+
Start	1	End	1690
Name	OJ990211_03.9819.C54.o1.gs	Method	GENSCAN
Start	66	End	1426
GI	none	Score	.98
Exons	66..156, 241..386, 480..699, 765..873, 969..1137, 1252..1426		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14307	Strand	+

Start	1	End	1690
Name	OJ990211_03.9819.C54.o2.gp	Method	AAT/GAP
Start	732	End	1690
GI	78815_1.R1084	Score	1248
Exons	732..873, 969..1137, 1252..1690		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	64	End	1434
GI	none	Score	146
Exons	64..156, 67..162, 68..157, 69..188, 238..384, 240..386, 293..388, 478..705, 480..701, 737..859, 762..872, 762..872, 764..874, 968..1138, 969..1145, 970..1155, 970..1155, 1250..1426, 1252..1434, 1252..1422, 1253..1429		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o2.tc	Method	TBLASTX:Cress
Start	64	End	396
GI	none	Score	133
Exons	64..156, 67..165, 69..188, 231..386, 238..387, 262..396		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o1.ts	Method	TBLASTX:Soybean
Start	64	End	1447
GI	none	Score	129
Exons	64..156, 67..156, 69..191, 231..386, 238..384, 293..394, 393..701, 476..631, 478..705, 481..702, 762..872, 764..871, 958..1131, 967..1134, 968..1135, 968..1141, 1252..1410, 1252..1422, 1253..1447, 1265..1429		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o1.tw	Method	TBLASTX:Wheat
Start	333	End	624
GI	none	Score	66
Exons	333..380, 337..384, 338..394, 476..622, 477..623, 481..624		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o1.tc	Method	TBLASTX:Cress
Start	471	End	1426
GI	none	Score	51
Exons	471..512, 481..507, 503..631, 516..701, 516..701, 517..705, 762..872, 764..871, 816..875, 967..1137, 968..1138, 968..1147, 1250..1426, 1252..1425		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
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Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o3.gp	Method	AAT/GAP
Start	1878	End	2563
GI	37294_1.R1084	Score	1027
Exons	1878..2206, 2350..2563		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6836	Seq. ID	OJ990211_03.9819.C54
Gene No.	14308	Strand	-
Start	2158	End	2563
Name	OJ990211_03.9819.C54.o2.gs	Method	GENSCAN
Start	2158	End	2563
GI	none	Score	.96
Exons	2158..2273, 2350..2563		

Seq. No.	6837	Seq. ID	OJ990211_03.9819.C55
Gene No.	14309	Strand	-
Start	1213	End	1849
Name	OJ990211_03.9819.C55.o1.gs	Method	GENSCAN
Start	1213	End	1849
GI	none	Score	.49
Exons	1213..1627, 1634..1849		

Seq. No.	6838	Seq. ID	OJ990211_03.9819.C56
Gene No.	14310	Strand	+
Start	98	End	734
Name	OJ990211_03.9819.C56.o1.gs	Method	GENSCAN
Start	98	End	734
GI	none	Score	.83
Exons	98..197, 706..734		

Seq. No.	6838	Seq. ID	OJ990211_03.9819.C56
Gene No.	14311	Strand	+
Start	2054	End	2200
Name	OJ990211_03.9819.C56.o2.gs	Method	GENSCAN
Start	2054	End	2200
GI	none	Score	.53
Exons	2054..2200		

Seq. No.	6838	Seq. ID	OJ990211_03.9819.C56
Gene No.	14312	Strand	-
Start	167	End	418
Name	OJ990211_03.9819.C56.o1.gp	Method	AAT/GAP
Start	167	End	418
GI	3761181	Score	430
Exons	167..418		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6839	Seq. ID	OJ990211_03.9819.C57
Gene No.	14313	Strand	+
Start	344	End	789
Name	OJ990211_03.9819.C57.o1.np	Method	AAT/NAP
Start	344	End	789
GI	5091512	Score	546

Exons 344..789
 GI Descrip. (AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds. (M11926) [Oryza sativa]

Seq. No.	6839	Seq. ID	OJ990211_03.9819.C57
Gene No.	14314	Strand	-
Start	80	End	736
Name	OJ990211_03.9819.C57.ol.gs	Method	GENSCAN
Start	80	End	736
GI	none	Score	.9
Exons	80..270, 287..736		

Seq. No.	6840	Seq. ID	OJ990211_03.9819.C59
Gene No.	14315	Strand	-
Start	1	End	505
Name	OJ990211_03.9819.C59.ol.np	Method	AAT/NAP
Start	1	End	505
GI	5091512	Score	288
Exons	1..505		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds. (M11926) [Oryza sativa]		

Seq. No.	6840	Seq. ID	OJ990211_03.9819.C59
Gene No.	14315	Strand	-
Start	1	End	505
Name	OJ990211_03.9819.C59.ol.gs	Method	GENSCAN
Start	311	End	505
GI	none	Score	.43
Exons	311..505		

Seq. No.	6841	Seq. ID	OJ990211_03.9819.C62
Gene No.	14316	Strand	-
Start	225	End	309
Name	OJ990211_03.9819.C62.ol.gp	Method	AAT/GAP
Start	225	End	309
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	225..309		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6842	Seq. ID	OJ990211_03.9819.C63
Gene No.	14317	Strand	-
Start	792	End	986
Name	OJ990211_03.9819.C63.ol.tm	Method	TBLASTX:Maize
Start	792	End	986
GI	none	Score	179
Exons	792..986, 797..964		

Seq. No.	6843	Seq. ID	OJ990211_03.9819.C67
Gene No.	14318	Strand	+
Start	1	End	341
Name	OJ990211_03.9819.C67.ol.np	Method	AAT/NAP
Start	1	End	341
GI	418604	Score	442
Exons	1..341		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION		

(ORFP)

Seq. No. 6844
Gene No. 14319
Start 406
Name OJ990211_03.9819.C68.o1.tm
Start 328
GI none
Exons 328..582, 332..583

Seq. ID OJ990211_03.9819.C68
Strand -
End 583
Method TBLASTX:Maize
End 583
Score 100

Seq. No. 6844
Gene No. 14319
Start 406
Name OJ990211_03.9819.C68.o1.gs
Start 406
GI none
Exons 406..545

Seq. ID OJ990211_03.9819.C68
Strand -
End 583
Method GENSCAN
End 545
Score .93

Seq. No. 6845
Gene No. 14320
Start 1
Name OJ990211_03.9819.C69.o1.np
Start 1
GI 4234852
Exons 1..967
GI Descrip. (AF082133) gag-pol polyprotein [Zea mays]

Seq. ID OJ990211_03.9819.C69
Strand -
End 967
Method AAT/NAP
End 967
Score 536

Seq. No. 6845
Gene No. 14320
Start 1
Name OJ990211_03.9819.C69.o1.tw
Start 339
GI none
Exons 339..455, 343..432, 495..665, 496..516

Seq. ID OJ990211_03.9819.C69
Strand -
End 967
Method TBLASTX:Wheat
End 665
Score 73

Seq. No. 6845
Gene No. 14320
Start 1
Name OJ990211_03.9819.C69.o1.gs
Start 348
GI none
Exons 348..637

Seq. ID OJ990211_03.9819.C69
Strand -
End 967
Method GENSCAN
End 637
Score .89

Seq. No. 6845
Gene No. 14320
Start 1
Name OJ990211_03.9819.C69.o1.ts
Start 442
GI none
Exons 442..591, 444..665, 459..638

Seq. ID OJ990211_03.9819.C69
Strand -
End 967
Method TBLASTX:Soybean
End 665
Score 82

Seq. No. 6846
Gene No. 14321
Start 290
Name OJ990211_03.9819.C70.o1.gs
Start 290
GI none

Seq. ID OJ990211_03.9819.C70
Strand -
End 818
Method GENSCAN
End 818
Score .58

Exons 290..549, 770..818

Seq. No.	6847	Seq. ID	OJ990211_03.9819.C71
Gene No.	14322	Strand	+
Start	1742	End	4084
Name	OJ990211_03.9819.C71.o1.np	Method	AAT/NAP
Start	1742	End	2842
GI	4678261	Score	108
Exons	1742..2007, 2752..2842		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6847	Seq. ID	OJ990211_03.9819.C71
Gene No.	14322	Strand	+
Start	1742	End	4084
Name	OJ990211_03.9819.C71.o2.np	Method	AAT/NAP
Start	2593	End	4084
GI	5852093	Score	74
Exons	2593..2619, 3967..4084		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6847	Seq. ID	OJ990211_03.9819.C71
Gene No.	14322	Strand	+
Start	1742	End	4084
Name	OJ990211_03.9819.C71.o1.ts	Method	TBLASTX:Soybean
Start	2938	End	3553
GI	none	Score	46
Exons	2938..3039, 3130..3195, 3141..3194, 3201..3245, 3242..3334, 3250..3333, 3402..3464, 3464..3553		

Seq. No.	6848	Seq. ID	OJ990211_03.9819.C73
Gene No.	14323	Strand	+
Start	165	End	277
Name	OJ990211_03.9819.C73.o1.gs	Method	GENSCAN
Start	165	End	277
GI	none	Score	.93
Exons	165..277		

Seq. No.	6849	Seq. ID	OJ990211_03.9819.C75
Gene No.	14324	Strand	+
Start	1519	End	1616
Name	OJ990211_03.9819.C75.o1.np	Method	AAT/NAP
Start	1519	End	1616
GI	5777617	Score	67
Exons	1519..1616		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6850	Seq. ID	OJ990211_03.9819.C76
Gene No.	14325	Strand	-
Start	1	End	237
Name	OJ990211_03.9819.C76.o1.np	Method	AAT/NAP
Start	1	End	237
GI	6006864	Score	62
Exons	1..23, 140..237		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6851	Seq. ID	OJ990211_03.9819.C77
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Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.gs
 Start 133
 GI none
 Exons 133..753

Strand +
 End 904
 Method GENSCAN
 End 753
 Score .46

Seq. No. 6851
 Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.np
 Start 149
 GI 4234854
 Exons 149..737, 823..904
 GI Descrip. (AF082134) pol polyprotein [Zea mays]

Seq. ID OJ990211_03.9819.C77
 Strand +
 End 904
 Method AAT/NAP
 End 904
 Score 586

Seq. No. 6851
 Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.tw
 Start 243
 GI none
 Exons 243..485, 304..489, 514..672, 519..674

Seq. ID OJ990211_03.9819.C77
 Strand +
 End 904
 Method TBLASTX:Wheat
 End 674
 Score 158

Seq. No. 6851
 Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.tm
 Start 373
 GI none
 Exons 373..681, 381..680

Seq. ID OJ990211_03.9819.C77
 Strand +
 End 904
 Method TBLASTX:Maize
 End 681
 Score 276

Seq. No. 6851
 Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.ts
 Start 373
 GI 5509260
 Exons 373..729, 462..725
 GI Descrip. -

Seq. ID OJ990211_03.9819.C77
 Strand +
 End 904
 Method TBLASTX:Soybean
 End 729
 Score 309

Seq. No. 6851
 Gene No. 14326
 Start 133
 Name OJ990211_03.9819.C77.o1.tc
 Start 460
 GI none
 Exons 460..720, 462..698

Seq. ID OJ990211_03.9819.C77
 Strand +
 End 904
 Method TBLASTX:Cress
 End 720
 Score 249

Seq. No. 6852
 Gene No. 14327
 Start 101
 Name OJ990211_03.9819.C78.o1.tm
 Start 64
 GI none
 Exons 64..333, 77..319

Seq. ID OJ990211_03.9819.C78
 Strand -
 End 333
 Method TBLASTX:Maize
 End 333
 Score 135

Seq. No.	6852	Seq. ID	OJ990211_03.9819.C78
Gene No.	14327	Strand	-
Start	101	End	333
Name	OJ990211_03.9819.C78.o1.gs	Method	GENSCAN
Start	101	End	306
GI	none	Score	.94
Exons	101..306		

Seq. No.	6853	Seq. ID	OJ990211_03.9819.C80
Gene No.	14328	Strand	+
Start	1	End	364
Name	OJ990211_03.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	364
GI	4234854	Score	237
Exons	1..364		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	6854	Seq. ID	OJ990421_02.9819.C3
Gene No.	14329	Strand	-
Start	134	End	1217
Name	OJ990421_02.9819.C3.o1.gs	Method	GENSCAN
Start	134	End	1217
GI	none	Score	.63
Exons	134..246, 1093..1217		

Seq. No.	6855	Seq. ID	OJ990421_02.9819.C4
Gene No.	14330	Strand	+
Start	460	End	1181
Name	OJ990421_02.9819.C4.o1.gs	Method	GENSCAN
Start	460	End	1181
GI	none	Score	.43
Exons	460..529, 1000..1181		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14331	Strand	+
Start	9156	End	12607
Name	OJ990421_02.9819.C5.o3.gs	Method	GENSCAN
Start	9156	End	12607
GI	none	Score	.57
Exons	9156..9228, 9345..9487, 10171..10332, 11777..11808, 11912..11957, 12212..12395, 12594..12607		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14332	Strand	+
Start	14637	End	18085
Name	OJ990421_02.9819.C5.o5.gs	Method	GENSCAN
Start	14637	End	18085
GI	none	Score	.65
Exons	14637..14713, 15318..15527, 16030..16088, 16723..17009, 17133..17182, 17290..17453, 17653..17763, 18012..18085		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14333	Strand	+
Start	18663	End	19588
Name	OJ990421_02.9819.C5.o1.gp	Method	AAT/GAP
Start	18575	End	19588
GI	356_1.R1084	Score	1432

Exons 18575..18788, 18843..18929, 19017..19588
 GI Descrip. '1399913 1.0e-42 (U60097) Oryza sativa dehydrin mRNA, complete cds [Oryza sativa]'

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14333 Strand +
 Start 18663 End 19588
 Name OJ990421_02.9819.C5.o4.np Method AAT/NAP
 Start 18663 End 19265
 GI 1399913 Score 637
 Exons 18663..18788, 18843..18929, 19017..19265
 GI Descrip. (U60097) dehydrin [Oryza sativa]

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14333 Strand +
 Start 18663 End 19588
 Name OJ990421_02.9819.C5.o6.gs Method GENSCAN
 Start 18663 End 19268
 GI none Score .9
 Exons 18663..18929, 19017..19268

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14334 Strand +
 Start 19983 End 22550
 Name OJ990421_02.9819.C5.o7.gs Method GENSCAN
 Start 19983 End 22550
 GI none Score .41
 Exons 19983..19992, 22357..22550

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14335 Strand +
 Start 25220 End 32058
 Name OJ990421_02.9819.C5.o6.np Method AAT/NAP
 Start 25220 End 25806
 GI 118480 Score 845
 Exons 25220..25453, 25549..25806
 GI Descrip. DEHYDRIN RAB 16B gi|100706|pir||JH0324 rab 16B protein - rice
 gi|629802|pir||S11846 rab16B protein - rice

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14335 Strand +
 Start 25220 End 32058
 Name OJ990421_02.9819.C5.o9.gs Method GENSCAN
 Start 25220 End 31272
 GI none Score .58
 Exons 25220..25453, 25549..25732, 26668..26729, 28427..28681,
 29497..29834, 29988..30282, 30423..30903, 30989..31050,
 31129..31272

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
 Gene No. 14335 Strand +
 Start 25220 End 32058
 Name OJ990421_02.9819.C5.o7.np Method AAT/NAP
 Start 28805 End 31716
 GI 6815107 Score 725
 Exons 28805..29949, 30064..30289, 31625..31716
 GI Descrip. (AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC

clone F20D10;hypothetical protein (AL035538) [Oryza sativa]

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14335	Strand	+
Start	25220	End	32058
Name	OJ990421_02.9819.C5.o8.np	Method	AAT/NAP
Start	29312	End	32058
GI	4467123	Score	525
Exons	29312..30322, 30359..30466, 30501..30713, 32035..32058		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14336	Strand	+
Start	33662	End	34251
Name	OJ990421_02.9819.C5.o11.gs	Method	GENSCAN
Start	33662	End	34251
GI	none	Score	1
Exons	33662..33889, 33985..34251		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14336	Strand	+
Start	33662	End	34251
Name	OJ990421_02.9819.C5.o9.np	Method	AAT/NAP
Start	33662	End	34248
GI	118481	Score	845
Exons	33662..33889, 33985..34248		
GI Descrip.	DEHYDRIN RAB 16C gi 100707 pir JH0325 rab 16C protein - rice gi 629803 pir S11847 rab16C protein - rice		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14337	Strand	+
Start	40278	End	41663
Name	OJ990421_02.9819.C5.o13.gs	Method	GENSCAN
Start	40278	End	41663
GI	none	Score	.94
Exons	40278..40282, 40436..40738, 40796..41006, 41394..41663		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14337	Strand	+
Start	40278	End	41663
Name	OJ990421_02.9819.C5.o12.np	Method	AAT/NAP
Start	40821	End	41660
GI	118482	Score	762
Exons	40821..41006, 41394..41660		
GI Descrip.	DEHYDRIN RAB 16D gi 100708 pir JH0326 rab 16D protein - rice gi 629804 pir S11848 rab16D protein - rice		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14338	Strand	-
Start	2142	End	6632
Name	OJ990421_02.9819.C5.o2.gs	Method	GENSCAN
Start	2142	End	6632
GI	none	Score	.54
Exons	2142..2162, 2739..3013, 5247..5414, 6545..6632		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14338	Strand	-

Start	2142	End	6632
Name	OJ990421_02.9819.C5.o1.np	Method	AAT/NAP
Start	2731	End	3040
GI	6539588	Score	306
Exons	2731..3040		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14339	Strand	-
Start	14094	End	14344
Name	OJ990421_02.9819.C5.o4.gs	Method	GENSCAN
Start	14094	End	14344
GI	none	Score	.68
Exons	14094..14154, 14166..14344		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14340	Strand	-
Start	21900	End	22558
Name	OJ990421_02.9819.C5.o5.np	Method	AAT/NAP
Start	21900	End	22558
GI	1168749	Score	173
Exons	21900..21955, 22178..22558		
GI Descrip.	CALMODULIN-6 gi 1076298 pir S35187 calmodulin 6 - Arabidopsis thaliana gi 16227 emb CAA78059 (Z12024) calmodulin [Arabidopsis thaliana]		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14341	Strand	-
Start	24216	End	24757
Name	OJ990421_02.9819.C5.o8.gs	Method	GENSCAN
Start	24216	End	24757
GI	none	Score	.67
Exons	24216..24344, 24560..24757		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14342	Strand	-
Start	31906	End	32887
Name	OJ990421_02.9819.C5.o10.gs	Method	GENSCAN
Start	31906	End	32887
GI	none	Score	.72
Exons	31906..31984, 32327..32594, 32824..32887		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14343	Strand	-
Start	34862	End	39182
Name	OJ990421_02.9819.C5.o12.gs	Method	GENSCAN
Start	34862	End	39182
GI	none	Score	.59
Exons	34862..35119, 35391..35501, 36356..36531, 37115..38002, 38124..38267, 38635..39085, 39090..39182		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	8589	End	39194
GI	none	Score	81

Exons 8589..8708, 8657..8686, 8688..8852, 8690..8779, 38845..39054,
38849..39070, 38862..39056, 39081..39194, 39139..39180

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o2.tw Method TBLASTX:Wheat
Start 9138 End 38626
GI none Score 80
Exons 9138..9242, 38212..38427, 38213..38425, 38423..38626,
38424..38621

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o4.tm Method TBLASTX:Maize
Start 9413 End 38782
GI none Score 70
Exons 9413..9475, 38074..38172, 38128..38319, 38293..38427,
38423..38782

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o1.tm Method TBLASTX:Maize
Start 9611 End 37934
GI none Score 165
Exons 9611..9826, 9634..9825, 9853..9978, 9882..9926, 10000..10314,
10023..10151, 37050..37934, 37092..37451, 37474..37581,
37717..37911

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o1.tw Method TBLASTX:Wheat
Start 9659 End 37886
GI none Score 172
Exons 9659..9829, 9677..9832, 9714..9848, 9831..9965, 9853..9987,
9853..9978, 9860..9991, 37572..37886, 37666..37860, 37676..37864

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o6.tw Method TBLASTX:Wheat
Start 10018 End 37571
GI none Score 103
Exons 10018..10167, 10159..10239, 37296..37448, 37453..37569,
37458..37571

Seq. No. 6856 Seq. ID OJ990421_02.9819.C5
Gene No. 14344 Strand -
Start 41519 End 46030
Name OJ990421_02.9819.C5.o2.ts Method TBLASTX:Soybean
Start 10308 End 37367
GI none Score 82
Exons 10308..10409, 10451..10549, 36839..36943, 36867..36941,
37050..37241, 37051..37185, 37311..37367

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	10484	End	37045
GI	none	Score	70
Exons	10484..10549, 36797..37045, 36798..36941		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	10690	End	36763
GI	none	Score	188
Exons	10690..10881, 10770..10874, 10896..11033, 11077..11127, 11115..11162, 36308..36364, 36395..36763, 36408..36755, 36506..36760		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	10887	End	36565
GI	none	Score	66
Exons	10887..11033, 11032..11127, 11115..11237, 36202..36300, 36204..36311, 36305..36565, 36318..36356		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	11163	End	36303
GI	none	Score	45
Exons	11163..11216, 11209..11289, 35974..36090, 36087..36146, 36147..36296, 36153..36302, 36181..36303		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	29397	End	29778
GI	none	Score	284
Exons	29397..29741, 29398..29778		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	29421	End	29949
GI	none	Score	90
Exons	29421..29576, 29422..29949, 29422..29826		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o5.tw	Method	TBLASTX:Wheat

Start	29593	End	30009
GI	none	Score	213
Exons	29593..29940, 29622..29768, 29947..30009		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o13.np	Method	AAT/NAP
Start	41519	End	46030
GI	4584539	Score	65
Exons	41519..41626, 42710..42938, 43897..44083, 44987..45106, 45471..45535, 45990..46030		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o3.gp	Method	AAT/GAP
Start	41808	End	41911
GI	uC-osroM202007a03a1	Score	192
Exons	41808..41911		
GI Descrip.	'20315/emb X52424 OSRAB16D 4.0e-47 O.sativa DNA for rab 16D gene'		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o14.gs	Method	GENSCAN
Start	43648	End	45853
GI	none	Score	.56
Exons	43648..43827, 43917..44049, 44736..44836, 44896..45013, 45618..45853		

Seq. No.	6856	Seq. ID	OJ990421_02.9819.C5
Gene No.	14344	Strand	-
Start	41519	End	46030
Name	OJ990421_02.9819.C5.o4.gp	Method	AAT/GAP
Start	44541	End	44960
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	44541..44644, 44928..44960		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6857	Seq. ID	OJ990421_02.9819.C8
Gene No.	14345	Strand	+
Start	1	End	750
Name	OJ990421_02.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	750
GI	4582447	Score	116
Exons	1..32, 450..750		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6857	Seq. ID	OJ990421_02.9819.C8
Gene No.	14345	Strand	+
Start	1	End	750

Name	OJ990421_02.9819.C8.ol.gs	Method	GENSCAN
Start	273	End	646
GI	none	Score	.51
Exons	273..345, 462..646		
Seq. No.	6858	Seq. ID	OJ990421_02.9819.C9
Gene No.	14346	Strand	+
Start	1847	End	2771
Name	OJ990421_02.9819.C9.ol.gs	Method	GENSCAN
Start	1847	End	2771
GI	none	Score	.69
Exons	1847..1939, 1994..2286, 2633..2771		
Seq. No.	6858	Seq. ID	OJ990421_02.9819.C9
Gene No.	14347	Strand	-
Start	574	End	2831
Name	OJ990421_02.9819.C9.ol.np	Method	AAT/NAP
Start	574	End	2831
GI	4538984	Score	74
Exons	574..780, 2776..2831		
GI Descrip.	(AL049487) putative protein [Arabidopsis thaliana]		
Seq. No.	6859	Seq. ID	OJ990421_02.9819.C11
Gene No.	14348	Strand	-
Start	721	End	3334
Name	OJ990421_02.9819.C11.ol.gs	Method	GENSCAN
Start	721	End	3334
GI	none	Score	.56
Exons	721..804, 2534..2648, 3222..3334		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14349	Strand	+
Start	912	End	1157
Name	OJ990421_02.9819.C12.ol.gp	Method	AAT/GAP
Start	912	End	1157
GI	3761181	Score	404
Exons	912..1157		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14350	Strand	+
Start	1187	End	5264
Name	OJ990421_02.9819.C12.ol.gs	Method	GENSCAN
Start	1187	End	2870
GI	none	Score	.54
Exons	1187..1244, 1249..1388, 1434..1579, 2026..2870		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14350	Strand	+
Start	1187	End	5264
Name	OJ990421_02.9819.C12.ol.np	Method	AAT/NAP
Start	2152	End	5264
GI	5091513	Score	948
Exons	2152..2843, 3595..3961, 4009..4346, 5065..5264		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14351	Strand	+
Start	6239	End	6864
Name	OJ990421_02.9819.C12.o3.gs	Method	GENSCAN
Start	6239	End	6864
GI	none	Score	.62
Exons	6239..6411, 6849..6864		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14352	Strand	-
Start	3765	End	4112
Name	OJ990421_02.9819.C12.o2.gs	Method	GENSCAN
Start	3765	End	4112
GI	none	Score	.45
Exons	3765..3968, 3987..4112		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14353	Strand	-
Start	7918	End	8013
Name	OJ990421_02.9819.C12.o2.gp	Method	AAT/GAP
Start	7918	End	8013
GI	LIB3477-003-P1-K1-E9	Score	89
Exons	7918..8013		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6860	Seq. ID	OJ990421_02.9819.C12
Gene No.	14354	Strand	-
Start	8507	End	9596
Name	OJ990421_02.9819.C12.o4.gs	Method	GENSCAN
Start	8507	End	9596
GI	none	Score	.54
Exons	8507..8616, 9449..9596		
Seq. No.	6861	Seq. ID	OJ990421_02.9819.C13
Gene No.	14355	Strand	+
Start	58	End	510
Name	OJ990421_02.9819.C13.o1.gp	Method	AAT/GAP
Start	58	End	510
GI	2131_1.R1084	Score	725
Exons	58..510		
GI Descrip.	'417745/sp P32112 SAHH WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]'		
Seq. No.	6861	Seq. ID	OJ990421_02.9819.C13
Gene No.	14356	Strand	-
Start	84	End	235
Name	OJ990421_02.9819.C13.o1.gs	Method	GENSCAN
Start	84	End	235
GI	none	Score	.91
Exons	84..235		
Seq. No.	6862	Seq. ID	OJ990421_02.9819.C14
Gene No.	14357	Strand	+

Start	1238	End	3115
Name	OJ990421_02.9819.C14.o1.gs	Method	GENSCAN
Start	1238	End	3115
GI	none	Score	.65
Exons	1238..1300, 1543..1780, 2870..2992, 3087..3115		

Seq. No.	6862	Seq. ID	OJ990421_02.9819.C14
Gene No.	14358	Strand	-
Start	1	End	5534
Name	OJ990421_02.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	5534
GI	5430752	Score	95
Exons	1..60, 3749..3823, 4356..4527, 5201..5534		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	6862	Seq. ID	OJ990421_02.9819.C14
Gene No.	14358	Strand	-
Start	1	End	5534
Name	OJ990421_02.9819.C14.o2.gs	Method	GENSCAN
Start	4390	End	5375
GI	none	Score	.66
Exons	4390..4545, 5194..5375		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14359	Strand	+
Start	331	End	9122
Name	OJ990421_02.9819.C15.o1.gs	Method	GENSCAN
Start	331	End	9122
GI	none	Score	.71
Exons	331..446, 1218..1257, 4415..4664, 4755..4829, 5762..5851, 5946..6021, 6126..6204, 6329..6463, 6642..6740, 6966..7081, 7187..7289, 7496..7588, 7755..7918, 8021..8399, 9021..9122		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14359	Strand	+
Start	331	End	9122
Name	OJ990421_02.9819.C15.o1.np	Method	AAT/NAP
Start	4518	End	8550
GI	4455240	Score	482
Exons	4518..4634, 4725..4829, 5218..5252, 5831..6021, 6120..6204, 6335..6463, 6642..6740, 7143..7304, 7502..7588, 7686..7948, 8293..8550		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14360	Strand	-
Start	9716	End	20522
Name	OJ990421_02.9819.C15.o2.gs	Method	GENSCAN
Start	9716	End	20522
GI	none	Score	.7
Exons	9716..9929, 12148..12269, 12789..12874, 13705..14813, 15060..15906, 16093..16867, 16874..17262, 17321..17531, 17877..17996, 18105..18410, 20430..20522		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14360	Strand	-
Start	9716	End	20522

Name	OJ990421_02.9819.C15.o2.np	Method	AAT/NAP
Start	13453	End	19427
GI	6466937	Score	2327
Exons	13453..17182, 17214..17797, 19399..19427		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o9.tm	Method	TBLASTX:Maize
Start	4604	End	6686
GI	none	Score	103
Exons	4604..4690, 4760..4828, 4762..4866, 5217..5255, 5373..5417, 5760..5852, 5761..5850, 5947..6018, 5948..6007, 6089..6109, 6126..6206, 6130..6207, 6329..6460, 6639..6686		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o5.ts	Method	TBLASTX:Soybean
Start	6963	End	7289
GI	none	Score	81
Exons	6963..7079, 7136..7270, 7146..7289		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	7140	End	7919
GI	none	Score	135
Exons	7140..7289, 7501..7587, 7502..7588, 7722..7919, 7814..7918		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o6.ts	Method	TBLASTX:Soybean
Start	7495	End	7916
GI	none	Score	90
Exons	7495..7584, 7499..7585, 7737..7916, 7814..7912		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	7749	End	7919
GI	none	Score	203
Exons	7749..7919, 7814..7918		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o8.tm	Method	TBLASTX:Maize
Start	11532	End	11823
GI	none	Score	177
Exons	11532..11753, 11540..11728, 11749..11823		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	13445	End	14122
GI	none	Score	43
Exons	13445..13504, 13452..13481, 13568..13624, 13568..13633, 13631..14122, 13872..14033		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o5.tw	Method	TBLASTX:Wheat
Start	13802	End	14045
GI	none	Score	130
Exons	13802..14044, 13805..14005, 13812..14045		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	14169	End	14806
GI	none	Score	201
Exons	14169..14681, 14171..14683, 14171..14806, 14172..14804		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	14171	End	14551
GI	none	Score	70
Exons	14171..14551, 14172..14375, 14300..14431, 14397..14462		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	14399	End	14782
GI	none	Score	153
Exons	14399..14782, 14451..14711		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15.
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	14639	End	15037
GI	none	Score	125
Exons	14639..15037, 14640..14906		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	14807	End	15208
GI	none	Score	82
Exons	14807..15037, 15059..15208, 15060..15206		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	15210	End	15764
GI	none	Score	273
Exons	15210..15593, 15233..15760, 15527..15727, 15660..15764		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	15230	End	15472
GI	none	Score	92
Exons	15230..15472, 15333..15458		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	15383	End	15781
GI	none	Score	164
Exons	15383..15781, 15417..15773		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	15497	End	15856
GI	none	Score	113
Exons	15497..15856, 15498..15839		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	15779	End	16255
GI	none	Score	213
Exons	15779..16255, 15780..16028, 15782..16252		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	15833	End	16315
GI	none	Score	182
Exons	15833..16315, 15867..16220		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	15965	End	16279
GI	none	Score	197
Exons	15965..16279		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
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Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	16304	End	17167
GI	none	Score	110
Exons	16304..16438, 16517..16600, 16700..16936, 17054..17167		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o3.gs	Method	GENSCAN
Start	22939	End	26055
GI	none	Score	.77
Exons	22939..23113, 26018..26055		

Seq. No.	6863	Seq. ID	OJ990421_02.9819.C15
Gene No.	14361	Strand	-
Start	22939	End	26055
Name	OJ990421_02.9819.C15.o1.gp	Method	AAT/GAP
Start	24720	End	25764
GI	4107145	Score	1955
Exons	24720..25764		
GI Descrip.	20160/emb X52623 OS4CL 2.0e-36 Rice 4-CL gene for 4-coumarate-CoA ligase (EC 6.2.1.12)		

Seq. No.	6864	Seq. ID	OJ990421_02.9819.C16
Gene No.	14362	Strand	+
Start	2712	End	7368
Name	OJ990421_02.9819.C16.o1.gs	Method	GENSCAN
Start	2712	End	7368
GI	none	Score	.5
Exons	2712..2790, 4843..4953, 5018..5118, 5153..5181, 5352..5424, 7195..7368		

Seq. No.	6864	Seq. ID	OJ990421_02.9819.C16
Gene No.	14362	Strand	+
Start	2712	End	7368
Name	OJ990421_02.9819.C16.o1.np	Method	AAT/NAP
Start	4836	End	6501
GI	6539588	Score	167
Exons	4836..5118, 6474..6501		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6865	Seq. ID	OJ990421_03.9819.C1
Gene No.	14363	Strand	-
Start	646	End	1007
Name	OJ990421_03.9819.C1.o1.gp	Method	AAT/GAP
Start	646	End	1007
GI	none	Score	662
Exons	646..1007		

Seq. No.	6865	Seq. ID	OJ990421_03.9819.C1
Gene No.	14364	Strand	-
Start	949	End	1763
Name	OJ990421_03.9819.C1.o1.np	Method	AAT/NAP
Start	949	End	1763
GI	6553884	Score	89

Exons 949..1149, 1718..1763

GI Descrip. (AC012563) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6866	Seq. ID	OJ990421_03.9819.C2
Gene No.	14365	Strand	+
Start	1	End	956
Name	OJ990421_03.9819.C2.ol.np	Method	AAT/NAP
Start	1	End	956
GI	6907086	Score	828
Exons	1..437, 495..888, 924..956		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6867	Seq. ID	OJ990421_03.9819.C3
Gene No.	14366	Strand	+
Start	138	End	446
Name	OJ990421_03.9819.C3.ol.gs	Method	GENSCAN
Start	138	End	446
GI	none	Score	.85
Exons	138..446		

Seq. No.	6868	Seq. ID	OJ990421_03.9819.C4
Gene No.	14367	Strand	-
Start	608	End	684
Name	OJ990421_03.9819.C4.ol.gs	Method	GENSCAN
Start	608	End	684
GI	none	Score	.56
Exons	608..684		

Seq. No.	6869	Seq. ID	OJ990421_03.9819.C8
Gene No.	14368	Strand	-
Start	766	End	1035
Name	OJ990421_03.9819.C8.ol.gs	Method	GENSCAN
Start	766	End	1035
GI	none	Score	.97
Exons	766..860, 897..1035		

Seq. No.	6870	Seq. ID	OJ990421_03.9819.C11
Gene No.	14369	Strand	+
Start	1	End	841
Name	OJ990421_03.9819.C11.ol.np	Method	AAT/NAP
Start	1	End	841
GI	5441880	Score	140
Exons	1..57, 417..841		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6870	Seq. ID	OJ990421_03.9819.C11
Gene No.	14369	Strand	+
Start	1	End	841
Name	OJ990421_03.9819.C11.ol.gs	Method	GENSCAN
Start	188	End	336
GI	none	Score	.43
Exons	188..336		

Seq. No.	6871	Seq. ID	OJ990421_03.9819.C15
Gene No.	14370	Strand	+

Start	327	End	599
Name	OJ990421_03.9819.C15.o1.gs	Method	GENSCAN
Start	327	End	599
GI	none	Score	.61
Exons	327..599		

Seq. No.	6872	Seq. ID	OJ990421_03.9819.C16
Gene No.	14371	Strand	+
Start	1	End	740
Name	OJ990421_03.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	740
GI	2499115	Score	114
Exons	1..150, 691..740		
GI Descrip.	VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG gi 1835788 (U86662) VPS41 [Lycopersicon esculentum]		

Seq. No.	6873	Seq. ID	OJ990421_03.9819.C17
Gene No.	14372	Strand	+
Start	1	End	1112
Name	OJ990421_03.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	432
GI	6815099	Score	79
Exons	1..118, 304..432		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6873	Seq. ID	OJ990421_03.9819.C17
Gene No.	14372	Strand	+
Start	1	End	1112
Name	OJ990421_03.9819.C17.o1.gs	Method	GENSCAN
Start	102	End	1112
GI	none	Score	.41
Exons	102..303, 897..951, 1055..1112		

Seq. No.	6873	Seq. ID	OJ990421_03.9819.C17
Gene No.	14373	Strand	+
Start	5045	End	5336
Name	OJ990421_03.9819.C17.o3.np	Method	AAT/NAP
Start	5045	End	5336
GI	6721512	Score	96
Exons	5045..5175, 5203..5336		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6873	Seq. ID	OJ990421_03.9819.C17
Gene No.	14374	Strand	-
Start	2774	End	4222
Name	OJ990421_03.9819.C17.o2.np	Method	AAT/NAP
Start	2774	End	4222
GI	6478216	Score	226
Exons	2774..3000, 3351..3524, 4153..4222		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14375	Strand	+
Start	904	End	1396
Name	OJ990421_03.9819.C18.o1.gs	Method	GENSCAN
Start	904	End	1396

GI	none	Score	.94
Exons	904..913, 1323..1396		
Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14376	Strand	+
Start	6909	End	9304
Name	OJ990421_03.9819.C18.o4.np	Method	AAT/NAP
Start	6868	End	9050
GI	6721561	Score	1169
Exons	6868..6902, 7865..8091, 8162..8220, 8286..9050		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14376	Strand	+
Start	6909	End	9304
Name	OJ990421_03.9819.C18.o3.gs	Method	GENSCAN
Start	6909	End	9304
GI	none	Score	.44
Exons	6909..7262, 7374..7542, 7708..7805, 7945..8091, 8162..8220, 8514..8989, 9188..9304		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14376	Strand	+
Start	6909	End	9304
Name	OJ990421_03.9819.C18.o3.np	Method	AAT/NAP
Start	6909	End	8947
GI	6721558	Score	250
Exons	6909..7008, 7708..7842, 8476..8559, 8816..8947		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14377	Strand	-
Start	1	End	840
Name	OJ990421_03.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	146
GI	6069659	Score	121
Exons	1..146		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14377	Strand	-
Start	1	End	840
Name	OJ990421_03.9819.C18.o2.np	Method	AAT/NAP
Start	1	End	840
GI	6907088	Score	540
Exons	1..122, 286..526, 703..840		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6874	Seq. ID	OJ990421_03.9819.C18
Gene No.	14378	Strand	-
Start	4872	End	6286

Name	OJ990421_03.9819.C18.o2.gs	Method	GENSCAN
Start	4872	End	6286
GI	none	Score	.89
Exons	4872..4975, 5050..5303, 5380..5522, 6263..6286		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14379	Strand	+
Start	127	End	644
Name	OJ990421_03.9819.C19.o1.gs	Method	GENSCAN
Start	127	End	644
GI	none	Score	.43
Exons	127..644		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14380	Strand	+
Start	11014	End	11232
Name	OJ990421_03.9819.C19.o4.gs	Method	GENSCAN
Start	11014	End	11232
GI	none	Score	.83
Exons	11014..11232		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14381	Strand	-
Start	1258	End	4379
Name	OJ990421_03.9819.C19.o2.gs	Method	GENSCAN
Start	1258	End	4190
GI	none	Score	.62
Exons	1258..1505, 1608..1997, 2274..2647, 2726..3336, 3363..3881, 3969..4190		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14381	Strand	-
Start	1258	End	4379
Name	OJ990421_03.9819.C19.o1.np	Method	AAT/NAP
Start	1261	End	4379
GI	5902445	Score	2990
Exons	1261..2505, 2545..4379		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	1270	End	1879
GI	none	Score	77
Exons	1270..1401, 1426..1875, 1622..1729, 1622..1879, 1775..1879		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o5.tw	Method	TBLASTX:Wheat
Start	2002	End	2385
GI	none	Score	173
Exons	2002..2385, 2003..2377		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-

Start 4443
 Name OJ990421_03.9819.C19.o2.tm
 Start 2080
 GI none
 Exons 2080..2385, 2081..2368

End 9540
 Method TBLASTX:Maize
 End 2385
 Score 153

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o9.tw
 Start 2527
 GI none
 Exons 2527..2847, 2528..2848

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Wheat
 End 2848
 Score 80

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o6.tw
 Start 2887
 GI none
 Exons 2887..2952, 2887..3060, 2939..3031, 3068..3343, 3070..3330

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Wheat
 End 3343
 Score 40

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o1.ts
 Start 3384
 GI none
 Exons 3384..3809, 3625..3750

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Soybean
 End 3809
 Score 80

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o2.tw
 Start 3439
 GI none
 Exons 3439..3753, 3441..3863, 3459..3860

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Wheat
 End 3863
 Score 262

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o3.tm
 Start 3537
 GI none
 Exons 3537..3920, 3538..3753

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Maize
 End 3920
 Score 114

Seq. No. 6875
 Gene No. 14382
 Start 4443
 Name OJ990421_03.9819.C19.o1.tm
 Start 3948
 GI none
 Exons 3948..4304, 3949..4242, 3999..4250

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540
 Method TBLASTX:Maize
 End 4304
 Score 227

Seq. No. 6875
 Gene No. 14382
 Start 4443

Seq. ID OJ990421_03.9819.C19
 Strand -
 End 9540

Name	OJ990421_03.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	3978	End	4434
GI	none	Score	389
Exons	3978..4433, 3979..4434		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	4029	End	4394
GI	none	Score	99
Exons	4029..4163, 4170..4394		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o3.gs	Method	GENSCAN
Start	4443	End	9540
GI	none	Score	.59
Exons	4443..5041, 5147..5860, 6103..6202, 6218..6488, 6583..7268, 7440..7605, 7767..8058, 8060..8138, 8422..8599, 9200..9281, 9331..9464, 9473..9540		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o2.np	Method	AAT/NAP
Start	4446	End	8950
GI	5902444	Score	1025
Exons	4446..6108, 6445..6547, 8920..8950		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	4626	End	5081
GI	none	Score	129
Exons	4626..4862, 4636..4860, 4899..5081, 4900..5073		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o7.tw	Method	TBLASTX:Wheat
Start	5712	End	6110
GI	none	Score	101
Exons	5712..5987, 5761..5982, 5943..6059, 5956..6048, 6060..6110		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o3.np	Method	AAT/NAP
Start	6349	End	9525
GI	6478216	Score	327
Exons	6349..6388, 8076..8175, 8339..8599, 9200..9525		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14382	Strand	-
Start	4443	End	9540
Name	OJ990421_03.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	8416	End	9532
GI	none	Score	65
Exons	8416..8469, 8545..8601, 9199..9315, 9218..9340, 9350..9418, 9439..9522, 9452..9532		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14383	Strand	
Start	11936	End	13593
Name	OJ990421_03.9819.C19.o8.tw	Method	TBLASTX:Wheat
Start	11936	End	13593
GI	none	Score	212
Exons	11936..11959, 12072..12146, 13375..13593		

Seq. No.	6875	Seq. ID	OJ990421_03.9819.C19
Gene No.	14383	Strand	
Start	11936	End	13593
Name	OJ990421_03.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	12024	End	12393
GI	none	Score	69
Exons	12024..12227, 12224..12304, 12322..12393		

Seq. No.	6876	Seq. ID	OJ990421_03.9819.C20
Gene No.	14384	Strand	-
Start	1510	End	1776
Name	OJ990421_03.9819.C20.o2.gs	Method	GENSCAN
Start	1510	End	1776
GI	none	Score	.96
Exons	1510..1776		

Seq. No.	6877	Seq. ID	OJ990421_03.9819.C21
Gene No.	14385	Strand	+
Start	12024	End	12114
Name	OJ990421_03.9819.C21.o4.gp	Method	AAT/GAP
Start	12024	End	12114
GI	uC-osflcyp109e03a1	Score	125
Exons	12024..12114		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	6877	Seq. ID	OJ990421_03.9819.C21
Gene No.	14386	Strand	-
Start	106	End	7432
Name	OJ990421_03.9819.C21.o1.gs	Method	GENSCAN
Start	106	End	4320
GI	none	Score	.79
Exons	106..291, 1265..1348, 3133..3323, 3574..4320		

Seq. No.	6877	Seq. ID	OJ990421_03.9819.C21
Gene No.	14386	Strand	-
Start	106	End	7432
Name	OJ990421_03.9819.C21.o1.gp	Method	AAT/GAP
Start	2881	End	3632

GI uC-osroM202038c10a1 Score 984
 Exons 2881..3323, 3574..3632
 GI Descrip. '2792155/emb|CAA11226| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14386 Strand -
 Start 106 End 7432
 Name OJ990421_03.9819.C21.o3.gp Method AAT/GAP
 Start 3831 End 7432
 GI 53981.1.R1084 Score 993
 Exons 3831..3945, 7028..7432
 GI Descrip. '2792155/emb|CAA11226| 6.0e-33 (AJ223291) chalcone reductase [Sesbania rostrata]'

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14386 Strand -
 Start 106 End 7432
 Name OJ990421_03.9819.C21.o1.np Method AAT/NAP
 Start 5653 End 7402
 GI 6478216 Score 881
 Exons 5653..5874, 6656..7402
 GI Descrip. (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14387 Strand -
 Start 8376 End 9681
 Name OJ990421_03.9819.C21.o1.tm Method TBLASTX:Maize
 Start 3108 End 7288
 GI none Score 149
 Exons 3108..3326, 3111..3326, 3112..3330, 3571..3633, 3571..3894, 3572..3916, 3898..4206, 3946..4179, 5628..5876, 5650..5886, 5656..5877, 5795..5884, 6653..6715, 6653..6976, 6654..6986, 6975..7262, 6980..7288

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14387 Strand -
 Start 8376 End 9681
 Name OJ990421_03.9819.C21.o1.ts Method TBLASTX:Soybean
 Start 3108 End 7355
 GI none Score 41
 Exons 3108..3326, 3110..3145, 3177..3326, 3571..3894, 3572..3910, 3947..4069, 3955..4269, 4142..4273, 5632..5877, 5650..5886, 6653..6976, 6654..6974, 7028..7351, 7032..7355

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14387 Strand -
 Start 8376 End 9681
 Name OJ990421_03.9819.C21.o2.tc Method TBLASTX:Cress
 Start 3108 End 5880
 GI none Score 55
 Exons 3108..3197, 3195..3329, 5650..5769, 5657..5719, 5746..5880, 5795..5878

Seq. No. 6877 Seq. ID OJ990421_03.9819.C21
 Gene No. 14387 Strand -

Start	8376	End	9681
Name	OJ990421_03.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	3607	End	7354
GI	none	Score	164
Exons	3607..3867, 3608..3868, 3910..3957, 4006..4272, 4013..4072, 4142..4270, 6689..6949, 6801..6950, 6992..7039, 7088..7354, 7095..7352		

Seq. No.	6877	Seq. ID	OJ990421_03.9819.C21
Gene No.	14387	Strand	-
Start	8376	End	9681
Name	OJ990421_03.9819.C21.o2.np	Method	AAT/NAP
Start	8376	End	9681
GI	6815099	Score	91
Exons	8376..8514, 9648..9681		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14388	Strand	+
Start	102	End	3228
Name	OJ990421_03.9819.C23.o1.gs	Method	GENSCAN
Start	102	End	3228
GI	none	Score	.72
Exons	102..900, 1992..2173, 2781..3228		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14389	Strand	+
Start	5535	End	6045
Name	OJ990421_03.9819.C23.o3.np	Method	AAT/NAP
Start	5526	End	5669
GI	4406780	Score	76
Exons	5526..5669		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14389	Strand	+
Start	5535	End	6045
Name	OJ990421_03.9819.C23.o2.gs	Method	GENSCAN
Start	5535	End	6045
GI	none	Score	.65
Exons	5535..5642, 5967..6045		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14390	Strand	-
Start	661	End	1230
Name	OJ990421_03.9819.C23.o1.gp	Method	AAT/GAP
Start	661	End	1230
GI	none	Score	1103
Exons	661..1230		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14391	Strand	-
Start	2787	End	4492
Name	OJ990421_03.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	88	End	627
GI	none	Score	67
Exons	88..165, 192..341, 196..342, 366..422, 367..531, 571..627		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14391	Strand	-
Start	2787	End	4492
Name	OJ990421_03.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	97	End	627
GI	none	Score	131
Exons	97..336, 343..546, 571..627		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14391	Strand	-
Start	2787	End	4492
Name	OJ990421_03.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	113	End	348
GI	none	Score	106
Exons	113..316, 115..348, 122..322, 136..333, 168..338		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14391	Strand	-
Start	2787	End	4492
Name	OJ990421_03.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	641	End	909
GI	none	Score	289
Exons	641..877, 643..909, 643..894		

Seq. No.	6878	Seq. ID	OJ990421_03.9819.C23
Gene No.	14391	Strand	-
Start	2787	End	4492
Name	OJ990421_03.9819.C23.o2.np	Method	AAT/NAP
Start	2787	End	4492
GI	2832643	Score	69
Exons	2787..3001, 4457..4492		
GI Descrip.	(AL021710) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6879	Seq. ID	OJ990421_03.9819.C24
Gene No.	14392	Strand	+
Start	3	End	1483
Name	OJ990421_03.9819.C24.o1.np	Method	AAT/NAP
Start	3	End	1483
GI	4406780	Score	742
Exons	3..145, 253..302, 577..1153, 1356..1483		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	6879	Seq. ID	OJ990421_03.9819.C24
Gene No.	14392	Strand	+
Start	3	End	1483
Name	OJ990421_03.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	259	End	1157
GI	none	Score	79
Exons	259..300, 260..301, 559..771, 576..842, 576..794, 828..1154, 830..1156, 941..1156, 1035..1157		

Seq. No.	6879	Seq. ID	OJ990421_03.9819.C24
Gene No.	14392	Strand	+
Start	3	End	1483
Name	OJ990421_03.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	260	End	1157

GI	none	Score	83
Exons	260..304, 582..797, 584..796, 615..797, 688..879, 800..1156, 801..1154, 890..1156, 1017..1157		

Seq. No.	6879	Seq. ID	OJ990421_03.9819.C24
Gene No.	14392	Strand	+
Start	3	End	1483
Name	OJ990421_03.9819.C24.o1.gs	Method	GENSCAN
Start	262	End	1153
GI	none	Score	.69
Exons	262..302, 552..1153		

Seq. No.	6879	Seq. ID	OJ990421_03.9819.C24
Gene No.	14392	Strand	+
Start	3	End	1483
Name	OJ990421_03.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	576	End	1161
GI	none	Score	278
Exons	576..797, 576..794, 581..796, 824..1156, 828..1154, 941..1156, 1015..1161, 1017..1160		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14393	Strand	+
Start	1	End	4081
Name	OJ990421_03.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	4406780	Score	1310
Exons	1..206, 326..810, 1053..1269		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14393	Strand	+
Start	1	End	4081
Name	OJ990421_03.9819.C25.o1.gs	Method	GENSCAN
Start	326	End	4081
GI	none	Score	.85
Exons	326..810, 1053..1264, 2208..2346, 2776..4081		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14394	Strand	+
Start	4657	End	5076
Name	OJ990421_03.9819.C25.o2.gs	Method	GENSCAN
Start	4657	End	5076
GI	none	Score	.67
Exons	4657..4782, 4792..5076		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14395	Strand	+
Start	5487	End	8518
Name	OJ990421_03.9819.C25.o3.np	Method	AAT/NAP
Start	5487	End	8518
GI	6721512	Score	98
Exons	5487..5529, 7242..7345, 7372..7510, 8498..8518		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-

Start	2747	End	4991
Name	OJ990421_03.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	52	End	1167
GI	none	Score	246
Exons	52..207, 53..208, 54..221, 57..209, 322..813, 325..810, 1047..1166, 1066..1167		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	53	End	1272
GI	none	Score	127
Exons	53..208, 53..208, 57..221, 250..306, 325..810, 326..694, 326..862, 381..710, 761..811, 787..849, 1047..1271, 1052..1270, 1066..1272, 1096..1272		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o2.tc	Method	TBLASTX:Cress
Start	53	End	496
GI	none	Score	107
Exons	53..208, 53..208, 57..221, 57..209, 322..486, 325..495, 326..496		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o2.tw	Method	TBLASTX:Wheat
Start	352	End	667
GI	none	Score	68
Exons	352..660, 370..657, 389..667		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o3.tc	Method	TBLASTX:Cress
Start	1119	End	1272
GI	none	Score	255
Exons	1119..1271, 1120..1272, 1126..1272		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	2693	End	4871
GI	none	Score	77
Exons	2693..2875, 2733..2876, 2892..3086, 2900..3094, 3167..3472, 3258..3473, 3518..3559, 3569..3694, 3585..3686, 3701..3868, 3839..3934, 4635..4871		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o2.np	Method	AAT/NAP
Start	2747	End	4991
GI	4102839	Score	1122

Exons 2747..4057, 4629..4991
 GI Descrip. (AF016713) LeOPT1 [Lycopersicon esculentum]

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	2751	End	3935
GI	none	Score	84
Exons	2751..2888, 2757..2837, 2900..3094, 2901..3095, 3167..3472, 3258..3473, 3518..3559, 3564..3686, 3566..3694, 3761..3811, 3806..3868, 3825..3890, 3854..3934, 3879..3935		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	2756	End	3091
GI	none	Score	59
Exons	2756..2890, 2789..2875, 2823..2888, 2900..3091, 2901..3083		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o2.ts	Method	TBLASTX:Soybean
Start	2756	End	3931
GI	none	Score	116
Exons	2756..2863, 2897..3094, 2943..3098, 3167..3310, 3317..3472, 3518..3547, 3608..3676, 3716..3895, 3887..3931		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o3.tm	Method	TBLASTX:Maize
Start	4626	End	4871
GI	none	Score	45
Exons	4626..4871, 4684..4728, 4786..4869		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o3.ts	Method	TBLASTX:Soybean
Start	4647	End	4871
GI	none	Score	42
Exons	4647..4871, 4684..4728, 4783..4869		

Seq. No.	6880	Seq. ID	OJ990421_03.9819.C25
Gene No.	14396	Strand	-
Start	2747	End	4991
Name	OJ990421_03.9819.C25.o3.tw	Method	TBLASTX:Wheat
Start	4704	End	4871
GI	none	Score	92
Exons	4704..4871, 4740..4871		

Seq. No.	6881	Seq. ID	OJ990421_03.9819.C26
Gene No.	14397	Strand	+
Start	121	End	377

Name	OJ990421_03.9819.C26.o1.np	Method	AAT/NAP
Start	121	End	377
GI	5080826	Score	79
Exons	121..377		
GI Descrip.	(AC007258) Putative Aldo/keto reductase [Arabidopsis thaliana]		

Seq. No.	6881	Seq. ID	OJ990421_03.9819.C26
Gene No.	14398	Strand	+
Start	671	End	1075
Name	OJ990421_03.9819.C26.o1.gs	Method	GENSCAN
Start	671	End	1075
GI	none	Score	.96
Exons	671..1075		

Seq. No.	6881	Seq. ID	OJ990421_03.9819.C26
Gene No.	14399	Strand	-
Start	2450	End	6025
Name	OJ990421_03.9819.C26.o2.gs	Method	GENSCAN
Start	2450	End	5780
GI	none	Score	.46
Exons	2450..2666, 3074..3303, 3768..3959, 3997..4397, 4491..4608, 4961..5110, 5437..5461, 5507..5608, 5716..5780		

Seq. No.	6881	Seq. ID	OJ990421_03.9819.C26
Gene No.	14399	Strand	-
Start	2450	End	6025
Name	OJ990421_03.9819.C26.o2.np	Method	AAT/NAP
Start	2453	End	6025
GI	5922620	Score	665
Exons	2453..2583, 3950..4037, 4074..4245, 4349..4565, 5437..5461, 5963..6025		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6882	Seq. ID	OJ990421_03.9819.C30
Gene No.	14400	Strand	+
Start	674	End	769
Name	OJ990421_03.9819.C30.o1.gp	Method	AAT/GAP
Start	674	End	769
GI	uC-osflcyp109e03a1	Score	120
Exons	674..769		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	6883	Seq. ID	OJ990421_03.9819.C31
Gene No.	14401	Strand	+
Start	1830	End	2124
Name	OJ990421_03.9819.C31.o1.gp	Method	AAT/GAP
Start	1830	End	2124
GI	LIB3432-016-P1-K1-B4	Score	446
Exons	1830..2124		
GI Descrip.	'671740/emb CAA59218 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14402	Strand	+
Start	1439	End	4785
Name	OJ990421_03.9819.C32.o1.np	Method	AAT/NAP
Start	1394	End	4785
GI	4406778	Score	3280
Exons	1394..4785		
GI Descrip.	(AC006532) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14402	Strand	+
Start	1439	End	4785
Name	OJ990421_03.9819.C32.o2.gs	Method	GENSCAN
Start	1439	End	4771
GI	none	Score	1
Exons	1439..4771		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14403	Strand	-
Start	69	End	500
Name	OJ990421_03.9819.C32.o1.gs	Method	GENSCAN
Start	69	End	500
GI	none	Score	.54
Exons	69..312, 485..500		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o3.tm	Method	TBLASTX:Maize
Start	1791	End	3484
GI	none	Score	44
Exons	1791..1835, 1845..1934, 1850..1969, 1994..2185, 2003..2092, 2005..2202, 2017..2190, 2029..2193, 2074..2196, 2108..2209, 2109..2201, 2109..2195, 2112..2186, 2144..2203, 2147..2227, 2207..2335, 2210..2326, 2213..2344, 2213..2350, 2216..2392, 2225..2332, 2323..2472, 2363..2491, 2438..2497, 2501..2773, 2501..2701, 2510..2842, 2510..2773, 2519..2989, 2525..2719, 2533..2835, 2533..2775, 2534..2743, 2545..2835, 2578..2964, 2579..2998, 2606..2842, 2663..2917, 2677..2967, 2678..3001, 2728..2967, 2735..2989, 2807..3004, 2813..2998, 2822..2914, 2867..3028, 2895..2933, 3176..3355, 3179..3484, 3215..3337, 3218..3481, 3218..3412, 3218..3427, 3227..3481, 3227..3481, 3229..3480, 3232..3480, 3241..3480, 3298..3480		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o2.tc	Method	TBLASTX:Cress
Start	1838	End	4534
GI	none	Score	58
Exons	1838..1936, 1853..1969, 1865..1978, 1970..2092, 1990..2184, 1991..2092, 1994..2218, 1994..2092, 1996..2043, 2003..2092, 2054..2197, 2101..2220, 2147..2200, 2213..2332, 2213..2344, 2216..2344, 2225..2341, 2225..2335, 2231..2335, 2309..2491, 2309..2482, 2309..2491, 2309..2491, 2315..2491, 2327..2473, 2345..2482, 2345..2491, 2504..2929, 2507..3001, 2507..3001,		

2510..2986, 2510..2863, 2510..3004, 2513..3001, 2519..2842,
 2519..3004, 2533..2727, 2611..2835, 2612..2986, 2684..2992,
 2732..3004, 2737..2967, 2807..2989, 2833..2958, 2870..3001,
 2924..2992, 3176..3484, 3179..3484, 3179..3481, 3179..3334,
 3182..3481, 3203..3529, 3215..3409, 3218..3358, 3221..3289,
 3221..3493, 3226..3354, 3227..3481, 3227..3484, 3241..3411,
 3359..3481, 3413..3544, 4409..4534

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o2.tw	Method	TBLASTX:Wheat
Start	1919	End	3484
GI	none	Score	103
Exons	1919..2182, 2030..2092, 2195..2395, 2216..2326, 2252..2335, 2326..2460, 2510..2626, 2545..2697, 2546..2698, 2636..2842, 2689..2835, 2762..2914, 2792..2986, 2830..2967, 2924..3001, 3043..3336, 3113..3400, 3179..3334, 3182..3334, 3290..3484, 3344..3481		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o2.ts	Method	TBLASTX:Soybean
Start	1970	End	3481
GI	none	Score	83
Exons	1970..2092, 1982..2092, 1993..2043, 2003..2092, 2014..2196, 2101..2220, 2144..2197, 2147..2200, 2162..2197, 2201..2335, 2210..2338, 2213..2338, 2213..2344, 2225..2389, 2225..2335, 2309..2497, 2312..2503, 2315..2491, 2327..2473, 2345..2515, 2507..2842, 2507..3001, 2510..2986, 2510..3004, 2513..3001, 2539..2727, 2582..3004, 2812..2946, 2833..2964, 2861..3001, 3179..3481, 3179..3334, 3181..3411, 3182..3481, 3182..3478, 3218..3481, 3218..3481, 3227..3481, 3281..3481		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	3839	End	4747
GI	none	Score	443
Exons	3839..4168, 3844..4167, 4181..4570, 4219..4569, 4643..4747		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o3.tw	Method	TBLASTX:Wheat
Start	3866	End	4113
GI	none	Score	213
Exons	3866..4096, 3886..4113		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	3874	End	4359
GI	none	Score	382

Exons 3874..4167, 3896..4168, 4181..4357, 4213..4359

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o1.tm Method TBLASTX:Maize
Start 4018 End 4747
GI none Score 200
Exons 4018..4167, 4019..4168, 4199..4552, 4216..4551, 4544..4570,
4643..4747

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o1.tw Method TBLASTX:Wheat
Start 4199 End 4522
GI none Score 183
Exons 4199..4393, 4213..4359, 4402..4491, 4403..4522

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o3.gs Method GENSCAN
Start 5135 End 8415
GI none Score .77
Exons 5135..5380, 5570..5749, 5867..6113, 7113..7339, 7404..7521,
8372..8415

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o2.np Method AAT/NAP
Start 5162 End 7438
GI 6478216 Score 769
Exons 5162..5380, 5570..5749, 5867..6113, 7113..7438
GI Descrip. (AF108438) putative NADPH-dependent oxidoreductase [Papaver
somniferum]

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o4.tm Method TBLASTX:Maize
Start 5162 End 6112
GI none Score 107
Exons 5162..5218, 5225..5383, 5261..5383, 5556..5750, 5567..5788,
5584..5751, 5854..5988, 5862..6035, 5864..6037, 6041..6112

Seq. No. 6884 Seq. ID OJ990421_03.9819.C32
Gene No. 14404 Strand -
Start 5135 End 8415
Name OJ990421_03.9819.C32.o3.ts Method TBLASTX:Soybean
Start 5234 End 7390
GI none Score 55
Exons 5234..5383, 5567..5653, 5571..5654, 5663..5752, 5664..5726,
5859..6020, 5864..6034, 6065..6115, 7100..7330, 7131..7331,
7361..7390

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o3.tc	Method	TBLASTX:Cress
Start	5606	End	7390
GI	none	Score	79
Exons	5606..5788, 5607..5750, 5862..5981, 5864..5980, 6077..6115, 7110..7340, 7118..7336, 7337..7390		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o1.gp	Method	AAT/GAP
Start	6072	End	7507
GI	uC-osflcyp023b05b1	Score	799
Exons	6072..6113, 7113..7507		
GI Descrip.	'2792155/emb CAA11226 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	6884	Seq. ID	OJ990421_03.9819.C32
Gene No.	14404	Strand	-
Start	5135	End	8415
Name	OJ990421_03.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	7154	End	7423
GI	none	Score	88
Exons	7154..7423, 7157..7246, 7158..7334, 7365..7421		

Seq. No.	6885	Seq. ID	OJ990421_03.9819.C33
Gene No.	14405	Strand	-
Start	950	End	1326
Name	OJ990421_03.9819.C33.o1.gs	Method	GENSCAN
Start	950	End	1326
GI	none	Score	.58
Exons	950..1102, 1258..1326		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.gs	Method	GENSCAN
Start	170	End	8769
GI	none	Score	.68
Exons	170..350, 2350..2489, 3022..3177, 3291..3428, 3661..3835, 4166..4345, 6906..7155, 8360..8769		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.np	Method	AAT/NAP
Start	3665	End	8682
GI	6478216	Score	799
Exons	3665..3883, 4166..4345, 6906..7155, 8360..8682		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769

Name	OJ990421_03.9819.C34.o2.tm	Method	TBLASTX:Maize
Start	3665	End	7151
GI	none	Score	114
Exons	3665..3721, 3740..3886, 3743..3883, 3784..3885, 3798..3899, 4146..4346, 4163..4348, 4193..4348, 6897..7070, 6904..7062, 7098..7151, 7102..7146		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.gp	Method	AAT/GAP
Start	3674	End	7032
GI	2801031	Score	867
Exons	3674..3883, 4166..4345, 6906..7032		
GI Descrip.	2792155/emb CAA11226 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	3737	End	8592
GI	none	Score	92
Exons	3737..3883, 4259..4348, 6897..6998, 6897..7058, 6898..7059, 7098..7172, 8398..8592		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	4199	End	8587
GI	none	Score	87
Exons	4199..4411, 6888..7022, 6904..7020, 7119..7157, 8386..8586, 8504..8587		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o2.gp	Method	AAT/GAP
Start	7037	End	8725
GI	64574_1.R1084	Score	861
Exons	7037..7155, 8360..8725		
GI Descrip.	'2792295 8.0e-24 (AF039182) unknown [Fragaria x ananassa]'		

Seq. No.	6886	Seq. ID	OJ990421_03.9819.C34
Gene No.	14406	Strand	-
Start	170	End	8769
Name	OJ990421_03.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	8401	End	8670
GI	none	Score	120
Exons	8401..8574, 8410..8574, 8584..8670, 8585..8665		

Seq. No.	6887	Seq. ID	OJ990421_03.9819.C35
Gene No.	14407	Strand	+
Start	250	End	339
Name	OJ990421_03.9819.C35.o3.gp	Method	AAT/GAP
Start	250	End	339

GI	5038798	Score	128
Exons	250..339		
Seq. No.	6887	Seq. ID	OJ990421_03.9819.C35
Gene No.	14408	Strand	-
Start	246	End	346
Name	OJ990421_03.9819.C35.o2.gp	Method	AAT/GAP
Start	246	End	346
GI	uC-osroM202032f02a1	Score	140
Exons	246..346		
GI Descrip.	'2792155/emb CAA11226 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14409	Strand	+
Start	2559	End	3687
Name	OJ990531_45.9922.C2.o1.gs	Method	GENSCAN
Start	2559	End	3687
GI	none	Score	.97
Exons	2559..2817, 3473..3687		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14410	Strand	+
Start	20631	End	21091
Name	OJ990531_45.9922.C2.o2.gp	Method	AAT/GAP
Start	20631	End	21091
GI	none	Score	880
Exons	20631..21091		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14411	Strand	+
Start	21272	End	29730
Name	OJ990531_45.9922.C2.o4.gs	Method	GENSCAN
Start	21272	End	29730
GI	none	Score	.72
Exons	21272..21784, 21879..22094, 23275..23514, 24323..24526, 24616..24685, 25211..25388, 26107..26185, 26223..26410, 28885..28997, 29030..29365, 29579..29730		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14411	Strand	+
Start	21272	End	29730
Name	OJ990531_45.9922.C2.o3.gp	Method	AAT/GAP
Start	22391	End	22563
GI	none	Score	205
Exons	22391..22563		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14411	Strand	+
Start	21272	End	29730
Name	OJ990531_45.9922.C2.o4.gp	Method	AAT/GAP
Start	22507	End	22697
GI	none	Score	297
Exons	22507..22697		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14411	Strand	+

Start	21272	End	29730
Name	OJ990531_45.9922.C2.o1.np	Method	AAT/NAP
Start	25262	End	25444
GI	6642645	Score	154
Exons	25262..25444		
GI Descrip.	(AC012395) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14412	Strand	+
Start	34972	End	35199
Name	OJ990531_45.9922.C2.o5.gs	Method	GENSCAN
Start	34972	End	35199
GI	none	Score	.98
Exons	34972..35199		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14413	Strand	-
Start	6836	End	10965
Name	OJ990531_45.9922.C2.o2.gs	Method	GENSCAN
Start	6836	End	10965
GI	none	Score	.98
Exons	6836..7422, 7507..7583, 7890..7979, 8761..9550, 10092..10965		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14414	Strand	-
Start	11199	End	11432
Name	OJ990531_45.9922.C2.o1.gp	Method	AAT/GAP
Start	11199	End	11432
GI	3106595	Score	422
Exons	11199..11432		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14415	Strand	-
Start	11887	End	20412
Name	OJ990531_45.9922.C2.o3.gs	Method	GENSCAN
Start	11887	End	20412
GI	none	Score	.61
Exons	11887..12482, 13289..13330, 13544..13777, 14518..14569, 15264..15326, 15864..16156, 16905..17281, 18064..18211, 19507..19812, 20400..20412		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	15885	End	17175
GI	none	Score	95
Exons	15885..16043, 15886..16041, 16044..16109, 16045..16095, 16097..16180, 16102..16146, 16239..16346, 16259..16327, 17107..17175, 17108..17170		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	21251	End	21439

GI	none	Score	169
Exons	21251..21379, 21301..21378, 21305..21439, 21392..21427		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	25229	End	25435
GI	none	Score	245
Exons	25229..25435, 25255..25434		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	25249	End	25438
GI	none	Score	189
Exons	25249..25287, 25256..25438, 25315..25434		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	25256	End	25438
GI	none	Score	190
Exons	25256..25438, 25319..25393, 25378..25437		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	29212	End	29613
GI	none	Score	62
Exons	29212..29304, 29316..29513, 29512..29613		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o5.gp	Method	AAT/GAP
Start	30366	End	34456
GI	1588_1.R1084	Score	1034
Exons	30366..30612, 31300..31384, 31469..31566, 31641..31751, 34417..34456		

GI Descrip. '3292814/emb|CAA19804.1| 7.0e-42 (AL031018) putative protein [Arabidopsis thaliana]'

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	31306	End	31752
GI	none	Score	44
Exons	31306..31386, 31316..31387, 31454..31567, 31462..31542, 31463..31567, 31618..31749, 31633..31752, 31641..31751		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-

Start	30366	End	40176
Name	OJ990531_45.9922.C2.ol.tm	Method	TBLASTX:Maize
Start	31307	End	37728
GI	none	Score	70
Exons	31307..31372, 31308..31385, 31318..31386, 31318..31386, 31319..31387, 31453..31542, 31457..31567, 31463..31567, 31641..31760, 31642..31752, 34418..34468, 34654..34734, 34656..34736, 34659..34736, 36094..36174, 36094..36174, 36095..36175, 36553..36648, 36555..36647, 36556..36648, 36590..36649, 37416..37526, 37422..37523, 37640..37720, 37642..37728		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.ol.tc	Method	TBLASTX:Cress
Start	31315	End	37737
GI	none	Score	51
Exons	31315..31386, 31318..31368, 31454..31567, 31462..31542, 31633..31764, 31641..31760, 34656..34751, 34657..34734, 36094..36168, 36095..36175, 36549..36656, 36550..36648, 37398..37526, 37403..37489, 37419..37574, 37642..37731, 37646..37720, 37702..37737		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o3.np	Method	AAT/NAP
Start	31318	End	39793
GI	3292814	Score	788
Exons	31318..31384, 31469..31566, 31641..31751, 34417..34468, 34657..34733, 36115..36212, 36540..36653, 37421..37517, 37645..37736, 39581..39793		
GI Descrip.	(AL031018) putative protein [Arabidopsis thaliana]		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	34656	End	37731
GI	none	Score	70
Exons	34656..34736, 34672..34734, 34677..34736, 36094..36168, 36095..36196, 36550..36648, 36574..36657, 37397..37489, 37398..37523, 37398..37526, 37428..37511, 37642..37731, 37643..37720		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
Gene No.	14416	Strand	-
Start	30366	End	40176
Name	OJ990531_45.9922.C2.o6.gp	Method	AAT/GAP
Start	37470	End	38114
GI	24884_1.R1084	Score	959
Exons	37470..37517, 37645..38114		
GI Descrip.	'3292814/emb CAA19804.1 7.0e-17 (AL031018) putative protein [Arabidopsis thaliana]'		

Seq. No.	6888	Seq. ID	OJ990531_45.9922.C2
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Gene No. 14416
 Start 30366
 Name OJ990531_45.9922.C2.o6.gs
 Start 37480
 GI none
 Exons 37480..37971

Strand -
 End 40176
 Method GENSCAN
 End 37971
 Score .77

Seq. No. 6888
 Gene No. 14416
 Start 30366
 Name OJ990531_45.9922.C2.o7.gs
 Start 38801
 GI none
 Exons 38801..39101, 39580..40176

Seq. ID OJ990531_45.9922.C2
 Strand -
 End 40176
 Method GENSCAN
 End 40176
 Score .97

Seq. No. 6889
 Gene No. 14417
 Start 1
 Name OJ990531_45.9922.C5.o1.np
 Start 1
 GI 4220483
 Exons 1..34, 675..769, 879..932
 GI Descrip. (AC006069) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 2893
 Method AAT/NAP
 End 932
 Score 51

Seq. No. 6889
 Gene No. 14417
 Start 1
 Name OJ990531_45.9922.C5.o1.gs
 Start 115
 GI none
 Exons 115..189, 256..338, 650..769, 879..1057, 1959..2109

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 2893
 Method GENSCAN
 End 2109
 Score .72

Seq. No. 6889
 Gene No. 14417
 Start 1
 Name OJ990531_45.9922.C5.o2.np
 Start 1468
 GI 5852084
 Exons 1468..1503, 2804..2893
 GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 2893
 Method AAT/NAP
 End 2893
 Score 74

Seq. No. 6889
 Gene No. 14418
 Start 4901
 Name OJ990531_45.9922.C5.o2.gs
 Start 4901
 GI none
 Exons 4901..5115, 6075..6174

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 6174
 Method GENSCAN
 End 6174
 Score .77

Seq. No. 6889
 Gene No. 14419
 Start 6691
 Name OJ990531_45.9922.C5.o3.gs
 Start 6691
 GI none
 Exons 6691..6742, 7097..7113, 7617..7696, 8174..8279, 9327..9386

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 9386
 Method GENSCAN
 End 9386
 Score .45

Seq. No. 6889
 Gene No. 14420
 Start 15989
 Name OJ990531_45.9922.C5.o2.gp
 Start 15989
 GI none
 Exons 15989..16166

Seq. ID OJ990531_45.9922.C5
 Strand +
 End 16166
 Method AAT/GAP
 End 16166
 Score 276

Seq. No. 6889
 Gene No. 14421
 Start 8827
 Name OJ990531_45.9922.C5.o1.gp
 Start 8827
 GI 38012_1.R1084
 Exons 8827..8907

Seq. ID OJ990531_45.9922.C5
 Strand -
 End 8907
 Method AAT/GAP
 End 8907
 Score 101

GI Descrip. '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
 beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No. 6889
 Gene No. 14422
 Start 13900
 Name OJ990531_45.9922.C5.o1.tm
 Start 85
 GI none
 Exons 85..183, 270..338, 650..769, 878..1057

Seq. ID OJ990531_45.9922.C5
 Strand -
 End 39069
 Method TBLASTX:Maize
 End 1057
 Score 77

Seq. No. 6889
 Gene No. 14422
 Start 13900
 Name OJ990531_45.9922.C5.o1.tc
 Start 650
 GI none
 Exons 650..769, 661..756, 876..1052, 878..1045

Seq. ID OJ990531_45.9922.C5
 Strand -
 End 39069
 Method TBLASTX:Cress
 End 1052
 Score 123

Seq. No. 6889
 Gene No. 14422
 Start 13900
 Name OJ990531_45.9922.C5.o4.gs
 Start 13900
 GI none
 Exons 13900..14798, 14927..15180, 16181..16369, 16847..17828, 18375..20045, 20474..20525, 22576..22666, 23168..24026, 24572..26095, 26551..26603, 27903..28091, 29082..29139, 29221..30057, 30620..32330, 32458..32560, 34325..34513, 35774..36728, 37275..38546, 38820..38951

Seq. ID OJ990531_45.9922.C5
 Strand -
 End 39069
 Method GENSCAN
 End 38951
 Score .53

Seq. No. 6889
 Gene No. 14422
 Start 13900
 Name OJ990531_45.9922.C5.o1.ts
 Start 13901
 GI none
 Exons 13901..14050, 13903..14049

Seq. ID OJ990531_45.9922.C5
 Strand -
 End 39069
 Method TBLASTX:Soybean
 End 14050
 Score 125

Seq. No. 6889
 Gene No. 14422

Seq. ID OJ990531_45.9922.C5
 Strand -

Start	13900	End	39069
Name	OJ990531_45.9922.C5.o3.np	Method	AAT/NAP
Start	13903	End	15639
GI	2832675	Score	197
Exons	13903..14079, 14140..14253, 15584..15639		
GI Descrip.	(AL021712) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6889	Seq. ID	OJ990531_45.9922.C5
Gene No.	14422	Strand	-
Start	13900	End	39069
Name	OJ990531_45.9922.C5.o3.gp	Method	AAT/GAP
Start	27589	End	27899
GI	427437	Score	593
Exons	27589..27899		

Seq. No.	6889	Seq. ID	OJ990531_45.9922.C5
Gene No.	14422	Strand	-
Start	13900	End	39069
Name	OJ990531_45.9922.C5.o4.gp	Method	AAT/GAP
Start	29413	End	29763
GI	none	Score	657
Exons	29413..29763		

Seq. No.	6889	Seq. ID	OJ990531_45.9922.C5
Gene No.	14422	Strand	-
Start	13900	End	39069
Name	OJ990531_45.9922.C5.o7.np	Method	AAT/NAP
Start	34291	End	39069
GI	2914695	Score	161
Exons	34291..34506, 35767..35911, 36452..36551, 39015..39069		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14423	Strand	+
Start	2612	End	5666
Name	OJ990531_45.9922.C6.o1.gs	Method	GENSCAN
Start	2612	End	5666
GI	none	Score	.87
Exons	2612..2928, 3028..3230, 3475..3539, 3805..3873, 3983..4464, 4561..4769, 5014..5078, 5189..5272, 5347..5415, 5523..5666		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o1.np	Method	AAT/NAP
Start	6730	End	18006
GI	2914695	Score	191
Exons	6730..6756, 9463..9984, 17935..18006		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o2.gs	Method	GENSCAN
Start	6771	End	10614

GI	none	Score	.92
Exons	6771..7002, 8108..8777, 9276..10614		
Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o2.np	Method	AAT/NAP
Start	9465	End	11547
GI	2914695	Score	185
Exons	9465..10028, 11502..11547		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o3.gs	Method	GENSCAN
Start	12336	End	13502
GI	none	Score	.95
Exons	12336..13502		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	12375	End	12708
GI	none	Score	119
Exons	12375..12707, 12553..12708		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o3.np	Method	AAT/NAP
Start	12378	End	15894
GI	6587835	Score	747
Exons	12378..13514, 15415..15658, 15772..15894		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	12393	End	13409
GI	none	Score	101
Exons	12393..12518, 12519..12716, 12568..12729, 12783..12944, 12787..12942, 12928..13047, 12951..13055, 13161..13409, 13171..13401		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	12402	End	15635
GI	none	Score	53
Exons	12402..12728, 12646..12717, 12783..13061, 12799..13047, 13128..13214, 13188..13427, 13204..13401, 15510..15578, 15561..15635		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	12402	End	13409
GI	none	Score	105
Exons	12402..12728, 12783..13061, 12787..13002, 13188..13223, 13266..13301, 13311..13409		

Seq. No.	6890	Seq. ID	OJ990531_45.9922.C6
Gene No.	14424	Strand	-
Start	6771	End	18006
Name	OJ990531_45.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	13128	End	15853
GI	none	Score	50
Exons	13128..13187, 15451..15489, 15454..15498, 15505..15573, 15510..15578, 15561..15665, 15562..15666, 15761..15853, 15777..15851		

Seq. No.	6891	Seq. ID	OJ990531_45.9922.C7
Gene No.	14425	Strand	-
Start	131	End	11158
Name	OJ990531_45.9922.C7.o1.gs	Method	GENSCAN
Start	131	End	10237
GI	none	Score	.62
Exons	131..319, 1749..2673, 3216..4448, 4675..4843, 6465..6555, 7508..8147, 8710..9903, 10051..10237		

Seq. No.	6891	Seq. ID	OJ990531_45.9922.C7
Gene No.	14425	Strand	-
Start	131	End	11158
Name	OJ990531_45.9922.C7.o1.np	Method	AAT/NAP
Start	6333	End	11158
GI	2914695	Score	187
Exons	6333..6556, 7506..7632, 11073..11158		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	6891	Seq. ID	OJ990531_45.9922.C7
Gene No.	14425	Strand	-
Start	131	End	11158
Name	OJ990531_45.9922.C7.o1.gp	Method	AAT/GAP
Start	8398	End	8632
GI	3106595	Score	447
Exons	8398..8632		

Seq. No.	6892	Seq. ID	OJ990531_41.9922.C1
Gene No.	14426	Strand	+
Start	173	End	365
Name	OJ990531_41.9922.C1.o1.gs	Method	GENSCAN
Start	173	End	365
GI	none	Score	.82
Exons	173..234, 314..365		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14427	Strand	+

Start	1764	End	4882
Name	OJ990531_41.9922.C2.o1.gs	Method	GENSCAN
Start	1764	End	4882
GI	none	Score	.66
Exons	1764..1769, 2347..2400, 3147..3240, 4304..4418, 4594..4882		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14428	Strand	+
Start	6316	End	8466
Name	OJ990531_41.9922.C2.o1.gp	Method	AAT/GAP
Start	6226	End	8466
GI	210_1.R1084	Score	2525
Exons	6226..6429, 6751..6980, 7573..8466		
GI Descrip.	'2952328 1.0e-173 (AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14428	Strand	+
Start	6316	End	8466
Name	OJ990531_41.9922.C2.o2.gs	Method	GENSCAN
Start	6316	End	8194
GI	none	Score	.86
Exons	6316..6429, 6751..6980, 7573..8194		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14428	Strand	+
Start	6316	End	8466
Name	OJ990531_41.9922.C2.o2.np	Method	AAT/NAP
Start	6316	End	8191
GI	2952328	Score	1606
Exons	6316..6429, 6751..6980, 7573..8191		
GI Descrip.	(AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14429	Strand	+
Start	17847	End	18506
Name	OJ990531_41.9922.C2.o4.gs	Method	GENSCAN
Start	17847	End	18506
GI	none	Score	.58
Exons	17847..17856, 18251..18290, 18380..18506		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14430	Strand	+
Start	30487	End	38364
Name	OJ990531_41.9922.C2.o5.np	Method	AAT/NAP
Start	30487	End	37290
GI	5731756	Score	2186
Exons	30487..30814, 31775..32016, 32108..32251, 32316..32477, 32556..32639, 32955..33029, 33110..33466, 33547..33666, 33795..33892, 33982..34030, 34120..34272, 34403..34546, 34623..34719, 34820..35052, 35276..35430, 36132..36201, 36328..36376, 36486..36725, 36860..36949, 37041..37290		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14430	Strand	+

Start	30487	End	38364
Name	OJ990531_41.9922.C2.o6.gs	Method	GENSCAN
Start	30487	End	38364
GI	none	Score	.74
Exons	30487..30814, 31775..32016, 32108..32251, 32316..32477, 32556..32639, 32749..32768, 32831..33028, 33055..33466, 33547..33702, 33795..33892, 34170..34272, 34620..34719, 34829..34999, 36132..36201, 36426..36450, 36486..36720, 36852..36952, 37041..37220, 37810..37904, 38044..38116, 38215..38364		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14430	Strand	+
Start	30487	End	38364
Name	OJ990531_41.9922.C2.o8.gp	Method	AAT/GAP
Start	37801	End	38084
GI	2310496	Score	483
Exons	37801..38084		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14431	Strand	+
Start	41261	End	45472
Name	OJ990531_41.9922.C2.o6.np	Method	AAT/NAP
Start	41261	End	45472
GI	6714290	Score	329
Exons	41261..41283, 43380..43514, 44020..44122, 44352..44431, 44545..44874, 45089..45187, 45404..45472		
GI Descrip.	(AC013354) F15H18.15 [Arabidopsis thaliana]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14432	Strand	+
Start	48095	End	56208
Name	OJ990531_41.9922.C2.o10.gs	Method	GENSCAN
Start	48095	End	56208
GI	none	Score	.8
Exons	48095..48635, 49530..49684, 49897..50101, 50893..50984, 52653..52763, 53634..53988, 54689..54911, 56055..56208		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14433	Strand	+
Start	57352	End	57762
Name	OJ990531_41.9922.C2.o10.gp	Method	AAT/GAP
Start	57352	End	57762
GI	uC-osflcyp083f04a1	Score	775
Exons	57352..57762		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14434	Strand	+
Start	61915	End	65051
Name	OJ990531_41.9922.C2.o12.gs	Method	GENSCAN
Start	61915	End	65051
GI	none	Score	.52
Exons	61915..61943, 63056..63199, 64657..64734, 64746..64881, 64968..65051		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14435	Strand	+
Start	66104	End	66193
Name	OJ990531_41.9922.C2.o11.gp	Method	AAT/GAP
Start	66104	End	66193
GI	2310359	Score	93
Exons	66104..66193		
GI Descrip.	5777612/emb AJ245900.1 OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14436	Strand	+
Start	71375	End	72035
Name	OJ990531_41.9922.C2.o14.gs	Method	GENSCAN
Start	71375	End	72035
GI	none	Score	.56
Exons	71375..71421, 71497..71730, 71807..72035		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14437	Strand	+
Start	78846	End	80457
Name	OJ990531_41.9922.C2.o8.np	Method	AAT/NAP
Start	78645	End	80457
GI	6907086	Score	1323
Exons	78645..79413, 79473..79708, 79944..79994, 80045..80259, 80321..80457		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14437	Strand	+
Start	78846	End	80457
Name	OJ990531_41.9922.C2.o16.gs	Method	GENSCAN
Start	78846	End	79379
GI	none	Score	1
Exons	78846..79379		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14438	Strand	-
Start	1533	End	5169
Name	OJ990531_41.9922.C2.o1.np	Method	AAT/NAP
Start	1533	End	5169
GI	140506	Score	197
Exons	1533..1575, 2650..2894, 5098..5169		
GI Descrip.	PROBABLE INTRON MATURASE gi 82531 pir JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi 11959 emb CAA34008 (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi 226626 prf 1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14439	Strand	-
Start	11744	End	15964
Name	OJ990531_41.9922.C2.o3.gs	Method	GENSCAN
Start	11744	End	15869
GI	none	Score	.92
Exons	11744..11826, 12758..12778, 14363..15869		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
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Gene No.	14439	Strand	-
Start	11744	End	15964
Name	OJ990531_41.9922.C2.o2.gp	Method	AAT/GAP
Start	12983	End	14659
GI	90989_1.R1084	Score	1338
Exons	12983..13393, 14363..14659		
GI Descrip.	'4558591/gb AAD22663.1 AC006555_1 3.0e-28 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1_AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14439	Strand	-
Start	11744	End	15964
Name	OJ990531_41.9922.C2.o3.np	Method	AAT/NAP
Start	14663	End	15869
GI	4097948	Score	1819
Exons	14663..15721, 15797..15869		
GI Descrip.	(U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14439	Strand	-
Start	11744	End	15964
Name	OJ990531_41.9922.C2.o3.gp	Method	AAT/GAP
Start	14737	End	15430
GI	65422_1.R1084	Score	1239
Exons	14737..15430		
GI Descrip.	'4097948 1.0e-102 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14439	Strand	-
Start	11744	End	15964
Name	OJ990531_41.9922.C2.o4.gp	Method	AAT/GAP
Start	15420	End	15964
GI	27257_1.R1084	Score	729
Exons	15420..15721, 15797..15964		
GI Descrip.	'4097948 2.0e-29 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14440	Strand	-
Start	20880	End	29533
Name	OJ990531_41.9922.C2.o5.gs	Method	GENSCAN
Start	20880	End	29533
GI	none	Score	.58
Exons	20880..20936, 22222..22333, 22554..22591, 22776..23014, 23137..24105, 24152..24305, 24384..24552, 26106..26179, 26193..26296, 26709..26871, 26974..27210, 28628..28746, 29365..29533		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14440	Strand	-
Start	20880	End	29533
Name	OJ990531_41.9922.C2.o4.np	Method	AAT/NAP
Start	21398	End	24569
GI	2702270	Score	1185

Exons 21398..21441, 22236..22333, 22622..22695, 22776..23015,
23150..24087, 24164..24305, 24384..24569
GI Descrip. (AC003033) unknown protein [Arabidopsis thaliana]

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14440	Strand	-
Start	20880	End	29533
Name	OJ990531_41.9922.C2.o6.gp	Method	AAT/GAP
Start	22659	End	23830
GI	11144_1.R1084	Score	1835
Exons	22659..22695, 22776..23014, 23137..23830		
GI Descrip.	'2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14440	Strand	-
Start	20880	End	29533
Name	OJ990531_41.9922.C2.o7.gp	Method	AAT/GAP
Start	24602	End	26391
GI	2442798	Score	612
Exons	24602..24671, 24820..24961, 26106..26179, 26297..26391		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14441	Strand	-
Start	46414	End	46770
Name	OJ990531_41.9922.C2.o9.gs	Method	GENSCAN
Start	46414	End	46770
GI	none	Score	.99
Exons	46414..46770		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14442	Strand	-
Start	57148	End	60101
Name	OJ990531_41.9922.C2.o11.gs	Method	GENSCAN
Start	57148	End	60101
GI	none	Score	.82
Exons	57148..57283, 57621..57888, 58511..58897, 59058..59244, 59747..59919, 60098..60101		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14442	Strand	-
Start	57148	End	60101
Name	OJ990531_41.9922.C2.o7.np	Method	AAT/NAP
Start	57620	End	57891
GI	4406782	Score	221
Exons	57620..57891		
GI Descrip.	(AC006532) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	2660	End	2843
GI	none	Score	182
Exons	2660..2794, 2670..2795, 2768..2842, 2781..2843		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
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Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	6299	End	8185
GI	none	Score	40
Exons	6299..6322, 6334..6441, 6748..6855, 6886..6981, 7556..8002, 7684..8001, 8063..8185, 8068..8184		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o8.tm	Method	TBLASTX:Maize
Start	6318	End	7648
GI	none	Score	76
Exons	6318..6386, 6325..6441, 6325..6429, 6748..6981, 6748..6909, 6753..6980, 7555..7647, 7571..7648		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	6334	End	8208
GI	none	Score	140
Exons	6334..6441, 6336..6428, 6340..6429, 6748..6846, 6753..6845, 6883..6981, 6903..6983, 7570..7623, 7571..8002, 7684..8001, 8063..8194, 8071..8208		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	7649	End	8152
GI	none	Score	293
Exons	7649..7873, 7675..7863, 7715..7873, 7858..7998, 7859..7999, 8078..8152		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	7840	End	8196
GI	none	Score	270
Exons	7840..8001, 7841..8002, 8063..8176, 8069..8146, 8170..8196		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	13083	End	14564
GI	none	Score	67
Exons	13083..13124, 13083..13124, 13338..13394, 13341..13394, 14362..14517, 14364..14564, 14365..14517		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o4.tw	Method	TBLASTX:Wheat

Start	14361	End	74758
GI	none	Score	94
Exons	14361..14468, 14365..14469, 14433..14525, 14434..14517, 14526..14600, 14554..14595, 74663..74758		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o6.ts	Method	TBLASTX:Soybean
Start	14362	End	14615
GI	none	Score	147
Exons	14362..14613, 14364..14615		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	14364	End	15720
GI	none	Score	39
Exons	14364..14606, 14745..14885, 14901..15020, 15024..15335, 15025..15096, 15127..15333, 15420..15719, 15430..15564, 15667..15720		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	14568	End	15724
GI	none	Score	218
Exons	14568..14612, 14739..15020, 14740..14883, 14959..15021, 15024..15245, 15025..15246, 15246..15722, 15247..15723, 15668..15724		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	14751	End	15725
GI	none	Score	110
Exons	14751..14888, 14755..14883, 14889..15020, 15027..15725, 15040..15723		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	15321	End	15747
GI	none	Score	41
Exons	15321..15407, 15322..15402, 15417..15737, 15424..15624, 15658..15747		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	22845	End	23576
GI	none	Score	257

Exons 22845..23006, 23133..23573, 23138..23572, 23373..23576

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	22899	End	24180
GI	none	Score	79
Exons	22899..23012, 22902..23036, 22903..23013, 23137..23340, 23138..23860, 23138..24082, 23142..24092, 24151..24180		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o8.ts	Method	TBLASTX:Soybean
Start	23589	End	23783
GI	none	Score	163
Exons	23589..23783, 23591..23782		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o9.tm	Method	TBLASTX:Maize
Start	24181	End	24500
GI	none	Score	154
Exons	24181..24321, 24181..24291, 24183..24305, 24379..24459, 24384..24500, 24384..24500		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o10.tm	Method	TBLASTX:Maize
Start	24531	End	24965
GI	none	Score	97
Exons	24531..24674, 24532..24672, 24808..24963, 24824..24964, 24828..24965		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o11.ts	Method	TBLASTX:Soybean
Start	32201	End	32524
GI	none	Score	76
Exons	32201..32251, 32201..32251, 32203..32253, 32311..32337, 32349..32480, 32351..32524, 32352..32480		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	32963	End	33432
GI	none	Score	66
Exons	32963..33028, 32970..33047, 33151..33234, 33152..33427, 33152..33418, 33307..33432		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-

Start	76670	End	77175
Name	OJ990531_41.9922.C2.o11.tm	Method	TBLASTX:Maize
Start	32976	End	33274
GI	none	Score	69
Exons	32976..33047, 32978..33028, 33075..33215, 33106..33246, 33107..33274, 33110..33274		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	33392	End	37294
GI	none	Score	83
Exons	33392..33463, 33394..33450, 33540..33701, 33541..33708, 33665..33703, 33787..33882, 33788..33889, 33791..33883, 33795..33890, 33976..34038, 33976..34044, 33983..34045, 34108..34263, 34120..34272, 34122..34271, 34400..34546, 34400..34546, 34402..34581, 34619..34708, 34620..34718, 34621..34722, 34824..34862, 34828..34860, 34849..35004, 34860..34994, 34879..34995, 35215..35262, 35215..35262, 35216..35263, 35335..35430, 35338..35430, 35340..35441, 36130..36204, 36131..36202, 36324..36374, 36341..36376, 36350..36376, 36483..36611, 36483..36578, 36485..36610, 36549..36641, 36578..36721, 36585..36722, 36586..36726, 36849..36929, 36851..36919, 36851..36973, 37033..37170, 37034..37177, 37040..37222, 37041..37226, 37200..37292, 37259..37294		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o10.ts	Method	TBLASTX:Soybean
Start	33540	End	33708
GI	none	Score	214
Exons	33540..33701, 33541..33708		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o9.ts	Method	TBLASTX:Soybean
Start	34420	End	37226
GI	none	Score	169
Exons	34420..34524, 34421..34534, 34840..34998, 34876..34995, 34908..35003, 35343..35441, 35357..35428, 36123..36182, 36125..36208, 36131..36196, 36179..36202, 36483..36614, 36485..36553, 36495..36722, 36564..36710, 36584..36721, 36848..36940, 36851..36922, 37020..37226, 37040..37222		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o3.tc	Method	TBLASTX:Cress
Start	37053	End	37226
GI	none	Score	192
Exons	37053..37226, 37055..37216		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
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Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o5.ts	Method	TBLASTX:Soybean
Start	50098	End	50688
GI	none	Score	140
Exons	50098..50235, 50401..50631, 50413..50604, 50424..50606, 50608..50688, 50608..50670		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	50512	End	52184
GI	none	Score	377
Exons	50512..50742, 50512..50739, 50522..50740, 50778..50978, 50786..50992, 50787..51005, 50854..50985, 51049..51252, 51078..51248, 51079..51252, 51095..51265, 51817..51948, 51820..51936, 51919..52176, 51920..52177, 51945..52184		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o12.ts	Method	TBLASTX:Soybean
Start	52652	End	53909
GI	none	Score	88
Exons	52652..52741, 52653..52739, 53634..53720, 53646..53696, 53681..53908, 53700..53909		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o7.tm	Method	TBLASTX:Maize
Start	53843	End	55490
GI	none	Score	145
Exons	53843..53992, 53844..53981, 54693..54872, 54694..54912, 54718..54912, 54719..54913, 55261..55485, 55262..55486, 55262..55486, 55263..55487, 55449..55490		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o7.ts	Method	TBLASTX:Soybean
Start	57614	End	57896
GI	none	Score	179
Exons	57614..57817, 57621..57818, 57792..57896, 57821..57871		

Seq. No.	6893	Seq. ID	OJ990531_41.9922.C2
Gene No.	14443	Strand	-
Start	76670	End	77175
Name	OJ990531_41.9922.C2.o12.gp	Method	AAT/GAP
Start	76670	End	77175
GI	38782_1.R1084	Score	797
Exons	76670..77175		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
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Gene No.	14444	Strand	+
Start	1010	End	8545
Name	OJ990531_41.9922.C3.o1.gs	Method	GENSCAN
Start	1010	End	8305
GI	none	Score	.5
Exons	1010..1131, 1809..1862, 1900..1979, 2327..2538, 2582..2780, 2809..3103, 6105..6163, 7088..7211, 7389..7609, 7739..7848, 8009..8305		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14444	Strand	+
Start	1010	End	8545
Name	OJ990531_41.9922.C3.o1.gp	Method	AAT/GAP
Start	7251	End	8545
GI	73779_1.R1084	Score	1726
Exons	7251..7609, 7739..7848, 8009..8127, 8215..8545		
GI Descrip.	'5669654/gb AAD46412.1 AF096262_1 5.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]'		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14444	Strand	+
Start	1010	End	8545
Name	OJ990531_41.9922.C3.o2.np	Method	AAT/NAP
Start	7435	End	8287
GI	6714413	Score	418
Exons	7435..7609, 7739..7848, 8009..8127, 8215..8287		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14445	Strand	+
Start	12491	End	18320
Name	OJ990531_41.9922.C3.o3.gp	Method	AAT/GAP
Start	12491	End	14230
GI	426494	Score	695
Exons	12491..12517, 13450..13513, 13930..14230		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14445	Strand	+
Start	12491	End	18320
Name	OJ990531_41.9922.C3.o4.np	Method	AAT/NAP
Start	13084	End	18320
GI	6969231	Score	337
Exons	13084..13113, 15052..15189, 15548..15646, 16242..16379, 17508..17778, 18294..18320		
GI Descrip.	(AF079872) cyclic nucleotide-gated calmodulin-binding ion channel [Nicotiana tabacum]		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14445	Strand	+
Start	12491	End	18320
Name	OJ990531_41.9922.C3.o3.gs	Method	GENSCAN
Start	13939	End	17273
GI	none	Score	.57
Exons	13939..14373, 15004..15189, 15548..15646, 16242..16379, 17220..17273		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
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Gene No.	14446	Strand	-
Start	1	End	3273
Name	OJ990531_41.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	3273
GI	3176686	Score	56
Exons	1..21, 2337..2607, 3062..3273		
GI Descrip.	(AC003671) Similar to high affinity potassium transporter, HAK1 protein gb U22945 from Schwanniomyces occidentalis. [Arabidopsis thaliana]		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14447	Strand	-
Start	8696	End	13018
Name	OJ990531_41.9922.C3.o2.gp	Method	AAT/GAP
Start	8696	End	11493
GI	2047_1.R1084	Score	2018
Exons	8696..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11353..11493		
GI Descrip.	'5733866/gb AAD49754.1 AC007932_2 1.0e-118 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14447	Strand	-
Start	8696	End	13018
Name	OJ990531_41.9922.C3.o2.gs	Method	GENSCAN
Start	8777	End	13018
GI	none	Score	.71
Exons	8777..8856, 8906..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11446..11547, 11877..11938, 11958..12163, 12236..12318, 12749..13018		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14447	Strand	-
Start	8696	End	13018
Name	OJ990531_41.9922.C3.o3.np	Method	AAT/NAP
Start	8895	End	12132
GI	5733866	Score	1186
Exons	8895..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11353..11547, 11745..11810, 11958..12132		
GI Descrip.	(AC007932) Contains similarity to gb M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb Z18033 and gb Z34214 come from this gene. [Arabidopsis thaliana]		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	7422	End	7612
GI	none	Score	287
Exons	7422..7607, 7423..7608, 7510..7608, 7523..7612		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-

Start	17639	End	18108
Name	OJ990531_41.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	7446	End	8284
GI	none	Score	171
Exons	7446..7607, 7447..7608, 7741..7860, 7997..8128, 8006..8131, 8212..8283; 8213..8284		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	7447	End	8281
GI	none	Score	146
Exons	7447..7608, 7452..7607, 7741..7860, 8006..8131, 8213..8281		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	7741	End	8281
GI	none	Score	91
Exons	7741..7860, 8006..8131, 8204..8281		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	8878	End	12053
GI	none	Score	277
Exons	8878..9099, 8879..9103, 8880..9098, 8881..9102, 9300..9392, 9300..9395, 9638..9748, 9639..9752, 9802..9882, 9820..9882, 9854..9883, 10011..10055, 10013..10102, 10013..10099, 10651..10740, 10652..10738, 11117..11242, 11129..11242, 11131..11244, 11191..11244, 11347..11553, 11351..11548, 11353..11550, 11706..11825, 11737..11808, 11958..12053, 11959..12051		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	8892	End	10114
GI	none	Score	181
Exons	8892..9098, 8895..9098, 8896..9099, 9291..9380, 9292..9396, 9300..9395, 9639..9749, 9639..9752, 9641..9766, 9685..9753, 9802..9909, 9823..9882, 10011..10052, 10011..10052, 10013..10054, 10058..10114, 10058..10099		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	8907	End	9359
GI	none	Score	100
Exons	8907..9044, 8910..9098, 8911..9099, 9300..9359		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
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Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	9634	End	12050
GI	none	Score	56
Exons	9634..9753, 9638..9760, 9639..9752, 9802..9882, 10011..10040, 10013..10048, 10046..10099, 10058..10102, 10638..10724, 10639..10740, 10646..10741, 10647..10700, 11132..11242, 11134..11244, 11182..11244, 11339..11548, 11347..11553, 11353..11550, 11706..11825, 11737..11808, 11955..12050		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	11123	End	12041
GI	none	Score	99
Exons	11123..11239, 11125..11241, 11343..11549, 11347..11553, 11357..11572, 11706..11825, 11737..11808, 11955..12041		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	17559	End	17765
GI	none	Score	104
Exons	17559..17645, 17561..17644, 17651..17764, 17652..17765		

Seq. No.	6894	Seq. ID	OJ990531_41.9922.C3
Gene No.	14448	Strand	-
Start	17639	End	18108
Name	OJ990531_41.9922.C3.o4.gs	Method	GENSCAN
Start	17639	End	18108
GI	none	Score	.59
Exons	17639..17839, 18055..18108		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14449	Strand	+
Start	1	End	6396
Name	OJ990531_41.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	6396
GI	6587805	Score	444
Exons	1..22, 2044..2171, 2325..2470, 2661..2738, 3645..3755, 3917..4192, 4307..4435, 4769..4899, 6329..6396		
GI Descrip.	(AC010924) Strong similarity to gb Y17914 ion channel protein from Arabidopsis thaliana and is a member of the PF 00914 transmembrane CNG channel family containing a PF 00027 cyclic nucleotide-binding domain.		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14450	Strand	+
Start	8206	End	14539
Name	OJ990531_41.9922.C4.o2.np	Method	AAT/NAP
Start	8206	End	14539
GI	5420389	Score	170
Exons	8206..8526, 8951..9319, 13160..13217, 14498..14539		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14451	Strand	-
Start	8046	End	9540
Name	OJ990531_41.9922.C4.o2.gs	Method	GENSCAN
Start	8046	End	9540
GI	none	Score	.98
Exons	8046..8534, 8971..9540		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	1890	End	4088
GI	none	Score	120
Exons	1890..1988, 1907..1987, 2004..2171, 2027..2170, 2301..2471, 2322..2471, 2324..2488, 2637..2738, 2638..2739, 2659..2739, 3637..3786, 3643..3777, 3900..4088, 3941..4087		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	2069	End	4372
GI	none	Score	151
Exons	2069..2164, 2070..2171, 2085..2171, 2321..2503, 2321..2503, 2638..2739, 2657..2740, 2659..2739, 3620..3775, 3637..3786, 3643..3783, 3936..4184, 3938..4186, 3938..4183, 4270..4371, 4271..4366, 4271..4372		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	4094	End	4415
GI	none	Score	121
Exons	4094..4183, 4098..4181, 4254..4415, 4259..4414		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o3.np	Method	AAT/NAP
Start	10678	End	13320
GI	1871180	Score	161
Exons	10678..10758, 11844..12175, 13026..13320		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o3.gs	Method	GENSCAN
Start	11239	End	23072
GI	none	Score	.81
Exons	11239..11499, 11750..12158, 12306..12481, 13078..13259, 15033..15177, 15747..15819, 15985..16090, 16522..16904, 17014..17172, 17277..17470, 17566..17686, 17853..19201, 19800..19964, 22889..23072		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	11864	End	12013
GI	none	Score	110
Exons	11864..12013, 11883..11987		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	11870	End	12064
GI	none	Score	173
Exons	11870..12064, 11871..11987, 11944..11988		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o4.np	Method	AAT/NAP
Start	15029	End	19840
GI	2462745	Score	711
Exons	15029..15109, 16957..17172, 17277..17470, 17566..17758, 17853..18017, 18420..18608, 19814..19840		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	16586	End	17954
GI	none	Score	75
Exons	16586..16660, 16589..16906, 16602..16907, 16605..16907, 16954..17172, 17015..17188, 17016..17171, 17271..17471, 17279..17470, 17280..17471, 17281..17472, 17285..17485, 17560..17643, 17573..17638, 17622..17759, 17623..17760, 17624..17761, 17841..17954, 17852..17953		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	16589	End	16883
GI	none	Score	259
Exons	16589..16864, 16590..16883, 16602..16742		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	16772	End	17987
GI	none	Score	124
Exons	16772..16906, 16773..16907, 17014..17169, 17016..17183, 17273..17476, 17276..17470, 17560..17643, 17596..17760, 17600..17761, 17847..17987, 17852..17986		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	16883	End	17393
GI	none	Score	75
Exons	16883..16903, 17013..17174, 17017..17121, 17276..17392, 17277..17393		

Seq. No.	6895	Seq. ID	OJ990531_41.9922.C4
Gene No.	14452	Strand	-
Start	11239	End	23072
Name	OJ990531_41.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	17650	End	18032
GI	none	Score	86
Exons	17650..17760, 17663..17734, 17850..18032, 17852..18028		

Seq. No.	6896	Seq. ID	OJ990531_41.9922.C5
Gene No.	14453	Strand	+
Start	122	End	313
Name	OJ990531_41.9922.C5.o1.gs	Method	GENSCAN
Start	122	End	313
GI	none	Score	.93
Exons	122..313		

Seq. No.	6896	Seq. ID	OJ990531_41.9922.C5
Gene No.	14454	Strand	+
Start	511	End	1005
Name	OJ990531_41.9922.C5.o1.gp	Method	AAT/GAP
Start	511	End	1005
GI	none	Score	970
Exons	511..1005		

Seq. No.	6896	Seq. ID	OJ990531_41.9922.C5
Gene No.	14455	Strand	-
Start	1901	End	4500
Name	OJ990531_41.9922.C5.o2.gs	Method	GENSCAN
Start	1901	End	4500
GI	none	Score	.5
Exons	1901..2253, 2630..2786, 2861..2895, 3627..3854, 4331..4500		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14456	Strand	+
Start	1	End	1595
Name	OJ990531_41.9922.C6.o1.gs	Method	GENSCAN
Start	1	End	905
GI	none	Score	.55
Exons	1..131, 866..905		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14456	Strand	+
Start	1	End	1595
Name	OJ990531_41.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	1450
GI	4973264	Score	256
Exons	1..131, 760..831, 984..1053, 1354..1450		
GI Descrip.	(AF144391) thioredoxin-like 5 [Arabidopsis thaliana]		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14456	Strand	+
Start	1	End	1595
Name	OJ990531_41.9922.C6.o1.gp	Method	AAT/GAP
Start	90	End	1595
GI	3980_1.R1084	Score	732
Exons	90..131, 760..831, 987..1053, 1354..1595		
GI Descrip.	'4973264/gb AAD35009.1 AF144391_1 4.0e-36 (AF144391) thioredoxin-like 5 [Arabidopsis thaliana]'		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14457	Strand	+
Start	4236	End	4792
Name	OJ990531_41.9922.C6.o3.gp	Method	AAT/GAP
Start	4236	End	4792
GI	41159_1.R1084	Score	1074
Exons	4236..4792		
GI Descrip.	'2864607/emb AL021811 ATF10M6 2.0e-10 Arabidopsis thaliana DNA chromosome 4, BAC clone F10M6 (ESSAII project)'		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14458	Strand	-
Start	1621	End	1911
Name	OJ990531_41.9922.C6.o2.gp	Method	AAT/GAP
Start	1621	End	1911
GI	3766879	Score	481
Exons	1621..1911		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14459	Strand	-
Start	1981	End	2286
Name	OJ990531_41.9922.C6.o2.np	Method	AAT/NAP
Start	1975	End	2206
GI	4887742	Score	95
Exons	1975..2206		
GI Descrip.	(AC006533) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14459	Strand	-
Start	1981	End	2286
Name	OJ990531_41.9922.C6.o2.gs	Method	GENSCAN
Start	1981	End	2286
GI	none	Score	.91
Exons	1981..2286		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	2053	End	2274
GI	none	Score	114
Exons	2053..2136, 2053..2091, 2060..2137, 2099..2137, 2138..2257, 2138..2257, 2140..2274, 2143..2259		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-

Start	3093	End	5022
Name	OJ990531_41.9922.C6.o3.gs	Method	GENSCAN
Start	3093	End	4887
GI	none	Score	.73
Exons	3093..3271, 3962..4037, 4537..4887		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	4527	End	5022
GI	none	Score	49
Exons	4527..4583, 4622..5017, 4622..4834, 4636..5022, 4960..5019		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o3.np	Method	AAT/NAP
Start	4528	End	5022
GI	399940	Score	662
Exons	4528..5022		
GI Descrip.	HEAT SHOCK 70 KD PROTEIN, MITOCHONDRIAL PRECURSOR gi 100004 pir S25005 heat shock protein, 70K - kidney bean gi 22636 emb CAA47345 (X66874) 70 kDa heat shock protein [Phaseolus vulgaris]		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	4622	End	4993
GI	none	Score	272
Exons	4622..4993, 4636..4992, 4895..4993		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	4622	End	5022
GI	none	Score	347
Exons	4622..5017, 4636..5022		

Seq. No.	6897	Seq. ID	OJ990531_41.9922.C6
Gene No.	14460	Strand	-
Start	3093	End	5022
Name	OJ990531_41.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	4780	End	5022
GI	none	Score	109
Exons	4780..5022, 4787..5017		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14461	Strand	+
Start	18066	End	20965
Name	OJ990531_42.9922.C1.o3.gs	Method	GENSCAN
Start	18066	End	20965
GI	none	Score	.51
Exons	18066..18078, 20339..20533, 20883..20965		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14462	Strand	+
Start	24985	End	30088
Name	OJ990531_42.9922.C1.o4.gp	Method	AAT/GAP
Start	24688	End	25235
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	24688..24822, 25217..25235		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14462	Strand	+
Start	24985	End	30088
Name	OJ990531_42.9922.C1.o4.gs	Method	GENSCAN
Start	24985	End	30088
GI	none	Score	.5
Exons	24985..25086, 25426..25525, 26319..26479, 27360..27482, 27582..27691, 28403..28534, 29479..29666, 29880..30088		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14463	Strand	+
Start	45721	End	50892
Name	OJ990531_42.9922.C1.o6.np	Method	AAT/NAP
Start	45721	End	50856
GI	5922631	Score	4919
Exons	45721..45845, 46104..46348, 46608..46810, 46856..47721, 48328..50856		
GI Descrip.	(AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14463	Strand	+
Start	45721	End	50892
Name	OJ990531_42.9922.C1.o8.gs	Method	GENSCAN
Start	45721	End	48446
GI	none	Score	.51
Exons	45721..46143, 46162..46339, 46358..46557, 46761..47713, 47891..48083, 48240..48446		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14463	Strand	+
Start	45721	End	50892
Name	OJ990531_42.9922.C1.o9.gs	Method	GENSCAN
Start	48612	End	49658
GI	none	Score	.84
Exons	48612..49658		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14463	Strand	+
Start	45721	End	50892
Name	OJ990531_42.9922.C1.o10.gs	Method	GENSCAN

Start 49858
GI none
Exons 49858..50892

End 50892
Score 1

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14464 Strand +
Start 54930 End 57582
Name OJ990531_42.9922.C1.o12.gs Method GENSCAN
Start 54930 End 57582
GI none Score .62
Exons 54930..55044, 56268..56334, 56483..56628, 56948..57582

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14464 Strand +
Start 54930 End 57582
Name OJ990531_42.9922.C1.o8.np Method AAT/NAP
Start 56123 End 57579
GI 2392772 Score 162
Exons 56123..56157, 57371..57579
GI Descrip. (AC002534) putative chloroplast prephenate dehydratase
[Arabidopsis thaliana]

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14465 Strand +
Start 63819 End 66966
Name OJ990531_42.9922.C1.o14.gs Method GENSCAN
Start 63819 End 66966
GI none Score .9
Exons 63819..64047, 65308..65367, 65714..65773, 65854..65949,
66160..66267, 66433..66486, 66671..66810, 66895..66966

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14465 Strand +
Start 63819 End 66966
Name OJ990531_42.9922.C1.o9.np Method AAT/NAP
Start 63819 End 65805
GI 6907105 Score 454
Exons 63819..64087, 65294..65377, 65664..65805
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14466 Strand -
Start 921 End 8366
Name OJ990531_42.9922.C1.o1.gs Method GENSCAN
Start 921 End 8366
GI none Score .69
Exons 921..1208, 1830..2060, 2228..2485, 2583..4055, 4157..4315,
4428..4483, 4840..4966, 5054..5863, 6354..6590, 6667..6820,
6907..7623, 8098..8366

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14466 Strand -
Start 921 End 8366
Name OJ990531_42.9922.C1.o1.np Method AAT/NAP
Start 1809 End 7363
GI 5902400 Score 3026
Exons 1809..2060, 2228..2485, 2583..3734, 3897..4049, 4154..4315,

4428..4554, 4635..4966, 5054..5863, 6252..6590, 6667..6820,
6907..7363

GI Descrip. (AC008148) Unknown protein [Arabidopsis thaliana]

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14466	Strand	-
Start	921	End	8366
Name	OJ990531_42.9922.C1.o1.gp	Method	AAT/GAP
Start	2612	End	2860
GI	568619	Score	490
Exons	2612..2860		
GI Descrip.	5902400/gb AAD55502.1 AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14466	Strand	-
Start	921	End	8366
Name	OJ990531_42.9922.C1.o2.gp	Method	AAT/GAP
Start	3315	End	3808
GI	uC-osf1M202062d03b1	Score	984
Exons	3315..3808		
GI Descrip.	'5042437/gb AC007789.1 AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14467	Strand	-
Start	12587	End	17158
Name	OJ990531_42.9922.C1.o2.gs	Method	GENSCAN
Start	12587	End	16331
GI	none	Score	.7
Exons	12587..12943, 13159..13325, 15223..15277, 16036..16097, 16301..16331		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14467	Strand	-
Start	12587	End	17158
Name	OJ990531_42.9922.C1.o3.np	Method	AAT/NAP
Start	15173	End	17158
GI	6539570	Score	198
Exons	15173..15229, 16719..16796, 16956..17158		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14468	Strand	-
Start	17285	End	18629
Name	OJ990531_42.9922.C1.o4.np	Method	AAT/NAP
Start	17285	End	18629
GI	6630699	Score	97
Exons	17285..17362, 18536..18629		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14469	Strand	-
Start	33689	End	34041
Name	OJ990531_42.9922.C1.o5.gp	Method	AAT/GAP

Start 33689
 GI none
 Exons 33689..34041

End 34041
 Score 670

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14470 Strand -
 Start 36776 End 38256
 Name OJ990531_42.9922.C1.o5.np Method AAT/NAP
 Start 36748 End 38256
 GI 5902399 Score 235
 Exons 36748..36849, 37771..38256
 GI Descrip. (AC008148) Hypothetical protein [Arabidopsis thaliana]

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14470 Strand -
 Start 36776 End 38256
 Name OJ990531_42.9922.C1.o6.gs Method GENSCAN
 Start 36776 End 38211
 GI none Score .66
 Exons 36776..36832, 37642..38211

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14471 Strand -
 Start 40646 End 44312
 Name OJ990531_42.9922.C1.o7.gs Method GENSCAN
 Start 40646 End 44312
 GI none Score .67
 Exons 40646..40672, 41789..42038, 42251..42425, 42459..42586,
 42607..42880, 44002..44194, 44307..44312

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14472 Strand -
 Start 51208 End 54100
 Name OJ990531_42.9922.C1.o11.gs Method GENSCAN
 Start 51208 End 54100
 GI none Score .81
 Exons 51208..51617, 51908..52097, 52171..52358, 52436..52794,
 52877..53166, 53252..53550, 53971..54100

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14472 Strand -
 Start 51208 End 54100
 Name OJ990531_42.9922.C1.o7.np Method AAT/NAP
 Start 51211 End 54100
 GI 6691716 Score 2460
 Exons 51211..51660, 51732..51836, 51986..52097, 52171..52358,
 52436..52612, 52689..52794, 52877..53051, 53248..54100
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
 Gene No. 14473 Strand -
 Start 58571 End 62636
 Name OJ990531_42.9922.C1.o1.ts Method TBLASTX:Soybean
 Start 1812 End 2885
 GI none Score 222

Exons 1812..2051, 1813..1971, 1813..2052, 2228..2359, 2229..2348,
2231..2362, 2345..2488, 2364..2489, 2580..2885, 2581..2880

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o1.tm Method TBLASTX:Maize
Start 1887 End 3503
GI none Score 186
Exons 1887..2057, 1887..2066, 2204..2488, 2225..2488, 2229..2489,
2229..2489, 2580..2993, 2580..2993, 2581..2994, 2989..3459,
3003..3458, 3464..3502, 3465..3503

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o4.tc Method TBLASTX:Cress
Start 1947 End 2489
GI none Score 81
Exons 1947..2066, 2207..2344, 2218..2343, 2225..2359, 2229..2348,
2345..2488, 2346..2489

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o2.tc Method TBLASTX:Cress
Start 2593 End 2885
GI none Score 221
Exons 2593..2880, 2595..2885, 2628..2885

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o6.ts Method TBLASTX:Soybean
Start 3039 End 3428
GI none Score 71
Exons 3039..3140, 3156..3362, 3158..3340, 3366..3428

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o6.tm Method TBLASTX:Maize
Start 4147 End 4554
GI none Score 145
Exons 4147..4317, 4150..4317, 4151..4321, 4154..4318, 4425..4553,
4429..4554, 4429..4554

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1
Gene No. 14473 Strand -
Start 58571 End 62636
Name OJ990531_42.9922.C1.o1.tc Method TBLASTX:Cress
Start 4455 End 4960
GI none Score 266
Exons 4455..4553, 4631..4870, 4635..4859, 4637..4870, 4871..4960,
4881..4958

Seq. No. 6898 Seq. ID OJ990531_42.9922.C1

Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	4504	End	4969
GI	none	Score	64
Exons	4504..4551, 4506..4553, 4613..4969, 4635..4967		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	4629	End	5254
GI	none	Score	451
Exons	4629..4967, 4631..4969, 5048..5176, 5054..5176, 5055..5186, 5146..5250, 5147..5254, 5150..5251		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o8.tw	Method	TBLASTX:Wheat
Start	5229	End	5756
GI	none	Score	65
Exons	5229..5363, 5231..5335, 5391..5462, 5392..5472, 5392..5493, 5489..5590, 5489..5590, 5492..5560, 5586..5678, 5613..5675, 5674..5751, 5687..5755, 5688..5756		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o8.tm	Method	TBLASTX:Maize
Start	5537	End	6423
GI	none	Score	198
Exons	5537..5701, 5711..5863, 5712..5864, 6243..6419, 6247..6423, 6250..6414, 6251..6415		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o5.tc	Method	TBLASTX:Cress
Start	5729	End	6455
GI	none	Score	119
Exons	5729..5863, 5733..5864, 5740..5874, 6243..6344, 6250..6366, 6336..6455		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o3.tc	Method	TBLASTX:Cress
Start	6456	End	6965
GI	none	Score	94
Exons	6456..6494, 6489..6599, 6635..6853, 6667..6822, 6885..6965		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	6487	End	7061

GI	none	Score	111
Exons	6487..6609, 6489..6599, 6496..6600, 6665..6823, 6667..6822, 6883..7059, 6885..7058, 6909..7061		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o9.tm	Method	TBLASTX:Maize
Start	6760	End	7148
GI	none	Score	92
Exons	6760..6822, 6883..6984, 6885..6983, 6969..7148, 6970..7125		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o7.ts	Method	TBLASTX:Soybean
Start	37774	End	38235
GI	none	Score	194
Exons	37774..37887, 38023..38235		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o7.tm	Method	TBLASTX:Maize
Start	37984	End	38236
GI	none	Score	112
Exons	37984..38016, 38026..38235, 38032..38133, 38036..38236		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o7.tw	Method	TBLASTX:Wheat
Start	47061	End	47518
GI	none	Score	146
Exons	47061..47237, 47280..47516, 47282..47518		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	47703	End	48062
GI	none	Score	405
Exons	47703..48062, 47717..48061		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	47868	End	48224
GI	none	Score	353
Exons	47868..48224, 47909..48214		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	48093	End	48512

GI	none	Score	480
Exons	48093..48512, 48095..48292, 48105..48308, 48359..48511		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o4.ts	Method	TBLASTX:Soybean
Start	48357	End	48788
GI	none	Score	271
Exons	48357..48788, 48404..48529, 48420..48701		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	48455	End	48899
GI	none	Score	264
Exons	48455..48706, 48456..48707, 48732..48875, 48744..48863, 48873..48899		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o5.tw	Method	TBLASTX:Wheat
Start	48558	End	48986
GI	none	Score	400
Exons	48558..48986		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o5.ts	Method	TBLASTX:Soybean
Start	49011	End	49402
GI	none	Score	89
Exons	49011..49112, 49022..49108, 49154..49402, 49158..49400		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	49023	End	49445
GI	none	Score	409
Exons	49023..49445, 49028..49369		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o11.tm	Method	TBLASTX:Maize
Start	49076	End	49349
GI	none	Score	126
Exons	49076..49246, 49077..49247, 49251..49349, 49283..49348		

Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o10.tw	Method	TBLASTX:Wheat
Start	49461	End	49760

GI	none	Score	135
Exons	49461..49595, 49494..49634, 49617..49760		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	49758	End	50121
GI	none	Score	173
Exons	49758..49916, 49778..49912, 49911..50084, 49912..50082, 50074..50121		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o6.tw	Method	TBLASTX:Wheat
Start	49764	End	50153
GI	none	Score	163
Exons	49764..49916, 49772..49912, 49911..50075, 49912..50151, 49972..50133, 50106..50153		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	50265	End	50862
GI	none	Score	387
Exons	50265..50354, 50266..50757, 50421..50528, 50743..50862		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o10.tm	Method	TBLASTX:Maize
Start	50587	End	50841
GI	none	Score	160
Exons	50587..50760, 50700..50759, 50739..50840, 50740..50841		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o9.tw	Method	TBLASTX:Wheat
Start	53690	End	53977
GI	none	Score	204
Exons	53690..53977		
Seq. No.	6898	Seq. ID	OJ990531_42.9922.C1
Gene No.	14473	Strand	-
Start	58571	End	62636
Name	OJ990531_42.9922.C1.o13.gs	Method	GENSCAN
Start	58571	End	62636
GI	none	Score	64
Exons	58571..58764, 58854..59126, 60997..61068, 62630..62636		
Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.np	Method	AAT/NAP

Start	1	End	2954
GI	6539581	Score	2376
Exons	1..31, 93..136, 342..789, 895..2733, 2808..2954		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.gs	Method	GENSCAN
Start	72	End	2960
GI	none	Score	.97
Exons	72..146, 334..2733, 2808..2960		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	886	End	1278
GI	none	Score	66
Exons	886..984, 988..1278		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	889	End	1110
GI	none	Score	227
Exons	889..1110		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	1105	End	1425
GI	none	Score	228
Exons	1105..1425, 1132..1326		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	1111	End	1494
GI	none	Score	283
Exons	1111..1494, 1114..1482		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960
Name	OJ990531_42.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	1170	End	1713
GI	none	Score	93
Exons	1170..1322, 1171..1713, 1171..1506		

Seq. No.	6899	Seq. ID	OJ990531_42.9922.C2
Gene No.	14474	Strand	+
Start	1	End	2960

Name	OJ990531_42.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	1345	End	1776
GI	none	Score	246
Exons	1345..1776, 1351..1482, 1581..1775		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14475	Strand	+
Start	4298	End	4379
Name	OJ990531_42.9922.C3.o1.gp	Method	AAT/GAP
Start	4298	End	4379
GI	LIB3474-001-P1-K1-D2	Score	83
Exons	4298..4379		
GI Descrip.	'3123271/sp P51430 RS6_ARATH 8.0e-36 40S RIBOSOMAL PROTEIN S6 >gi_2224751_emb_CAA74381_ (Y14052) ribosomal protein S6 [Arabidopsis thaliana]'		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14476	Strand	+
Start	7002	End	14047
Name	OJ990531_42.9922.C3.o2.np	Method	AAT/NAP
Start	7002	End	10324
GI	6721512	Score	102
Exons	7002..7037, 8584..8708, 8736..8874, 10293..10324		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14476	Strand	+
Start	7002	End	14047
Name	OJ990531_42.9922.C3.o2.gs	Method	GENSCAN
Start	10128	End	14047
GI	none	Score	.45
Exons	10128..10216, 13840..14047		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14477	Strand	-
Start	1	End	8661
Name	OJ990531_42.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	3935
GI	6539580	Score	1070
Exons	1..153, 588..700, 753..853, 951..1087, 1361..1476, 1567..1655, 1755..1829, 1949..2174, 2263..2442, 2528..3153, 3252..3375, 3450..3533, 3858..3935		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14477	Strand	-
Start	1	End	8661
Name	OJ990531_42.9922.C3.o1.gs	Method	GENSCAN
Start	211	End	8661
GI	none	Score	.63
Exons	211..219, 605..700, 930..1102, 1428..1476, 1570..1668, 1762..1853, 1949..2174, 2269..2442, 2528..3151, 3232..3375, 3450..3560, 3858..3992, 4316..4424, 5715..5873, 5949..6176, 8438..8661		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14478	Strand	-

Start	15342	End	21870
Name	OJ990531_42.9922.C3.o3.gs	Method	GENSCAN
Start	15342	End	21870
GI	none	Score	.46
Exons	15342..15492, 16607..16779, 21853..21870		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o4.gs	Method	GENSCAN
Start	24607	End	26926
GI	none	Score	.79
Exons	24607..25450, 26000..26241, 26326..26555, 26570..26632, 26638..26926		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o3.np	Method	AAT/NAP
Start	24619	End	26920
GI	4204278	Score	1276
Exons	24619..25450, 26000..26241, 26326..26555, 26638..26920		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	24667	End	24945
GI	none	Score	84
Exons	24667..24786, 24854..24943, 24865..24945		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	24667	End	26163
GI	none	Score	88
Exons	24667..24783, 24851..24943, 24865..24969, 24958..25080, 24989..25051, 25090..25227, 25091..25225, 25129..25227, 26005..26163		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	24667	End	26556
GI	none	Score	68
Exons	24667..24783, 24851..24943, 24865..24957, 24949..25227, 25091..25225, 26053..26166, 26323..26415, 26476..26556		

Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	24967	End	25227

GI	none	Score	47
Exons	24967..25071, 24983..25042, 25087..25227, 25088..25213		
Seq. No.	6900	Seq. ID	OJ990531_42.9922.C3
Gene No.	14479	Strand	-
Start	24607	End	26926
Name	OJ990531_42.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	26476	End	26839
GI	none	Score	45
Exons	26476..26556, 26491..26571, 26633..26839, 26637..26702		

Seq. No.	6901	Seq. ID	OJ990531_42.9922.C4
Gene No.	14480	Strand	+
Start	47	End	577
Name	OJ990531_42.9922.C4.o1.gs	Method	GENSCAN
Start	47	End	577
GI	none	Score	.79
Exons	47..101, 510..577		

Seq. No.	6902	Seq. ID	OJ990531_37.9922.C2
Gene No.	14481	Strand	-
Start	1279	End	1370
Name	OJ990531_37.9922.C2.o1.gs	Method	GENSCAN
Start	1279	End	1370
GI	none	Score	.51
Exons	1279..1370		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14482	Strand	+
Start	2367	End	18659
Name	OJ990531_37.9922.C3.o2.np	Method	AAT/NAP
Start	2367	End	11516
GI	6006375	Score	1739
Exons	2367..2981, 10531..10689, 10969..11516		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14482	Strand	+
Start	2367	End	18659
Name	OJ990531_37.9922.C3.o2.gs	Method	GENSCAN
Start	3853	End	16420
GI	none	Score	.78
Exons	3853..4540, 4772..4924, 4997..5028, 5119..5510, 5563..5801, 5949..6080, 6173..6921, 7086..7315, 8238..8392, 8618..8757, 8830..9006, 10258..10374, 10477..10882, 11306..11563, 11836..11963, 13038..13071, 14123..14530, 16268..16384, 16413..16420		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14482	Strand	+
Start	2367	End	18659
Name	OJ990531_37.9922.C3.o4.np	Method	AAT/NAP
Start	12780	End	16738
GI	665934	Score	41
Exons	12780..12802, 14253..14466, 16718..16738		
GI Descrip.	(U20341) ORF III [Cassava vein mosaic virus] gi 1399884 (U59751)		

ORF 3 [Cassava vein mosaic virus]

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14482	Strand	+
Start	2367	End	18659
Name	OJ990531_37.9922.C3.o3.np	Method	AAT/NAP
Start	13090	End	18659
GI	6006374	Score	381
Exons	13090..13127, 13665..14040, 18589..18659		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14483	Strand	+
Start	27938	End	34227
Name	OJ990531_37.9922.C3.o4.gs	Method	GENSCAN
Start	27938	End	34227
GI	none	Score	.63
Exons	27938..27970, 28157..28275, 28406..28831, 28963..29030, 29193..29261, 30987..31206, 31283..31404, 32054..32127, 32156..32258, 32584..32707, 34107..34227		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14484	Strand	+
Start	36719	End	42194
Name	OJ990531_37.9922.C3.o5.gs	Method	GENSCAN
Start	36719	End	42194
GI	none	Score	.49
Exons	36719..36769, 37402..37537, 39645..39764, 40411..40614, 40842..41143, 41919..42194		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o2.gp	Method	AAT/GAP
Start	43734	End	45003
GI	uC-osflcyp122g10b1	Score	873
Exons	43734..43917, 44184..44262, 44391..44431, 44730..44808, 44891..45003		
GI Descrip.	'2130080/pir S62667 3.0e-16 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o6.gs	Method	GENSCAN
Start	43807	End	47908
GI	none	Score	.87
Exons	43807..43917, 44730..44808, 44891..44995, 46329..46510, 46610..46679, 46970..47143, 47425..47529, 47757..47908		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976

Name	OJ990531_37.9922.C3.o7.np	Method	AAT/NAP
Start	44103	End	50647
GI	2130080	Score	1596
Exons	44103..44262, 44391..44431, 44730..44808, 44891..44995, 45995..46104, 46329..46510, 46610..46679, 46970..47143, 47425..47529, 48516..48647, 49243..49338, 50348..50647		
GI Descrip.	Nramp1 protein - rice gi 1470320 bbs 177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi 2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o3.gp	Method	AAT/GAP
Start	45989	End	46404
GI	2796935	Score	350
Exons	45989..46104, 46329..46404		
GI Descrip.	2130080/pir S62667 3.0e-16 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o4.gp	Method	AAT/GAP
Start	46979	End	48576
GI	uC-osf1M202092b11b1	Score	590
Exons	46979..47143, 47425..47529, 48516..48576		
GI Descrip.	'2130080/pir S62667 1.0e-43 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o7.gs	Method	GENSCAN
Start	48410	End	49844
GI	none	Score	.47
Exons	48410..48505, 48516..48647, 49243..49338, 49656..49844		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14485	Strand	+
Start	43807	End	50976
Name	OJ990531_37.9922.C3.o5.gp	Method	AAT/GAP
Start	50356	End	50976
GI	16607_1.R1084	Score	1222
Exons	50356..50976		
GI Descrip.	'5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
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Gene No.	14486	Strand	+
Start	57911	End	62743
Name	OJ990531_37.9922.C3.o9.gs	Method	GENSCAN
Start	57911	End	62743
GI	none	Score	.62
Exons	57911..57975, 58191..58408, 61568..61632, 61973..62021, 62123..62165, 62273..62393, 62477..62743		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14487	Strand	+
Start	63607	End	63909
Name	OJ990531_37.9922.C3.o10.gs	Method	GENSCAN
Start	63607	End	63909
GI	none	Score	.95
Exons	63607..63909		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14488	Strand	+
Start	65299	End	69461
Name	OJ990531_37.9922.C3.o8.np	Method	AAT/NAP
Start	65299	End	66769
GI	5852182	Score	413
Exons	65299..65319, 66440..66769		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14488	Strand	+
Start	65299	End	69461
Name	OJ990531_37.9922.C3.o6.gp	Method	AAT/GAP
Start	65991	End	66579
GI	2310235	Score	293
Exons	65991..66028, 66440..66579		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14488	Strand	+
Start	65299	End	69461
Name	OJ990531_37.9922.C3.o12.gs	Method	GENSCAN
Start	66440	End	69436
GI	none	Score	.98
Exons	66440..69436		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14488	Strand	+
Start	65299	End	69461
Name	OJ990531_37.9922.C3.o7.gp	Method	AAT/GAP
Start	66444	End	69461
GI	342_1.R1084	Score	5171
Exons	66444..69461		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14488	Strand	+
Start	65299	End	69461
Name	OJ990531_37.9922.C3.o9.np	Method	AAT/NAP

Start	67253	End	69213
GI	6742729	Score	3179
Exons	67253..69213		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o1.gs	Method	GENSCAN
Start	337	End	3532
GI	none	Score	.82
Exons	337..732, 1482..1607, 1636..1794, 3338..3532		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o1.np	Method	AAT/NAP
Start	1438	End	17154
GI	4680183	Score	187
Exons	1438..1527, 2136..2229, 17127..17154		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o5.np	Method	AAT/NAP
Start	5321	End	56472
GI	3183637	Score	26
Exons	5321..5390, 16360..16408, 19936..20034, 43688..43736, 56379..56472		
GI Descrip.	(AJ002234) polyprotein, cleavage products include viral coat protein and proteins with homology to an aspartic protease, reverse transcriptase and RNase H [banana streak virus]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o1.gp	Method	AAT/GAP
Start	11963	End	12108
GI	20088_1.R1084	Score	209
Exons	11963..12108		
GI Descrip.	'6041757/gb AC011806.1 AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o3.gs	Method	GENSCAN
Start	20480	End	26980
GI	none	Score	.55
Exons	20480..20575, 20945..21017, 21600..21793, 22437..22555, 22587..22700, 23631..23822, 23882..23951, 24139..24339, 25662..25789, 26962..26980		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-

Start	337	End	56472
Name	OJ990531_37.9922.C3.o6.np	Method	AAT/NAP
Start	21753	End	24451
GI	6714272	Score	65
Exons	21753..21776, 22933..23142, 24314..24451		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14489	Strand	-
Start	337	End	56472
Name	OJ990531_37.9922.C3.o8.gs	Method	GENSCAN
Start	50297	End	55727
GI	none	Score	.76
Exons	50297..50785, 51482..51696, 51773..51840, 52295..52410, 54188..54268, 55680..55727		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	3913	End	6372
GI	none	Score	91
Exons	3913..4026, 4768..4995, 5056..5355, 5395..5484, 6175..6372		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o5.ts	Method	TBLASTX:Soybean
Start	6160	End	6372
GI	none	Score	149
Exons	6160..6285, 6169..6285, 6292..6372		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o6.tw	Method	TBLASTX:Wheat
Start	6175	End	67350
GI	none	Score	223
Exons	6175..6414, 6177..6311, 67258..67350		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	22935	End	23302
GI	none	Score	89
Exons	22935..23000, 23056..23142, 23198..23302		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o5.tw	Method	TBLASTX:Wheat
Start	34367	End	34733
GI	none	Score	86
Exons	34367..34408, 34405..34677, 34408..34626, 34698..34733		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
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Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	34468	End	34860
GI	none	Score	63
Exons	34468..34587, 34477..34572, 34675..34860, 34698..34841		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	44720	End	46070
GI	none	Score	124
Exons	44720..44809, 44727..44810, 44889..44999, 44890..45000, 45985..46044, 45990..46070		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	46002	End	46516
GI	none	Score	100
Exons	46002..46106, 46002..46106, 46003..46107, 46006..46107, 46313..46516, 46329..46511		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	46359	End	46685
GI	none	Score	141
Exons	46359..46493, 46361..46492, 46581..46685, 46613..46684		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o11.gs	Method	GENSCAN
Start	64111	End	64351
GI	none	Score	.45
Exons	64111..64231, 64242..64351		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	66746	End	67142
GI	none	Score	104
Exons	66746..66898, 66881..67132, 66889..67131, 66891..67142		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	67063	End	67492
GI	none	Score	102
Exons	67063..67146, 67064..67138, 67139..67201, 67196..67492, 67250..67474		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	67225	End	67573
GI	none	Score	318
Exons	67225..67377, 67232..67573, 67417..67554		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	67361	End	67830
GI	none	Score	72
Exons	67361..67414, 67369..67413, 67415..67519, 67426..67515, 67523..67621, 67528..67620, 67601..67825, 67621..67830, 67622..67825, 67624..67830		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	67406	End	67864
GI	none	Score	247
Exons	67406..67660, 67418..67660, 67670..67864		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14490	Strand	-
Start	64111	End	67936
Name	OJ990531_37.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	67694	End	67936
GI	none	Score	216
Exons	67694..67936		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14491	Strand	-
Start	67969	End	68379
Name	OJ990531_37.9922.C3.o3.tw	Method	TBLASTX:Wheat
Start	67969	End	68379
GI	none	Score	87
Exons	67969..68019, 67970..68032, 68038..68220, 68042..68260, 68293..68379, 68294..68377		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14492	Strand	-
Start	68380	End	69460
Name	OJ990531_37.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	68380	End	69460
GI	none	Score	886
Exons	68380..69282, 68381..69298, 69293..69337, 69297..69332, 69344..69403, 69382..69456, 69383..69460		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14492	Strand	-
Start	68380	End	69460
Name	OJ990531_37.9922.C3.o2.tm	Method	TBLASTX:Maize

Start	68423	End	68737
GI	none	Score	318
Exons	68423..68737, 68434..68709, 68507..68737		

Seq. No.	6903	Seq. ID	OJ990531_37.9922.C3
Gene No.	14492	Strand	
Start	68380	End	69460
Name	OJ990531_37.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	68664	End	69115
GI	none	Score	175
Exons	68664..68846, 68668..69105, 68668..69111, 68672..69115, 68678..69115		

Seq. No.	6904	Seq. ID	OJ990531_37.9922.C4
Gene No.	14493	Strand	+
Start	1117	End	5383
Name	OJ990531_37.9922.C4.o2.np	Method	AAT/NAP
Start	1117	End	5383
GI	4680204	Score	1061
Exons	1117..2553, 2628..3724, 3834..4007, 4104..4323, 4674..4773, 5346..5383		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	6904	Seq. ID	OJ990531_37.9922.C4
Gene No.	14493	Strand	+
Start	1117	End	5383
Name	OJ990531_37.9922.C4.o3.np	Method	AAT/NAP
Start	1117	End	4811
GI	4680204	Score	1059
Exons	1117..2553, 2628..3724, 3834..4007, 4104..4323, 4674..4811		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	6904	Seq. ID	OJ990531_37.9922.C4
Gene No.	14493	Strand	+
Start	1117	End	5383
Name	OJ990531_37.9922.C4.o1.gp	Method	AAT/GAP
Start	5127	End	5273
GI	21474_1.R1084	Score	249
Exons	5127..5273		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	6904	Seq. ID	OJ990531_37.9922.C4
Gene No.	14494	Strand	+
Start	7431	End	9398
Name	OJ990531_37.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	1760	End	2163
GI	none	Score	60
Exons	1760..1900, 1760..1876, 1762..1998, 1762..1911, 1863..2030, 1993..2163		

Seq. No.	6904	Seq. ID	OJ990531_37.9922.C4
Gene No.	14494	Strand	+
Start	7431	End	9398
Name	OJ990531_37.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	3651	End	4173
GI	none	Score	60

Exons 3651..3731, 3820..4002, 3870..3995, 4102..4173

Seq. No. 6904 Seq. ID OJ990531_37.9922.C4
Gene No. 14494 Strand +
Start 7431 End 9398
Name OJ990531_37.9922.C4.o4.np Method AAT/NAP
Start 7431 End 9398
GI 4538896 Score 1253
Exons 7431..7867, 7976..8490, 8551..9398
GI Descrip. (AL049482) putative protein [Arabidopsis thaliana]

Seq. No. 6904 Seq. ID OJ990531_37.9922.C4
Gene No. 14494 Strand +
Start 7431 End 9398
Name OJ990531_37.9922.C4.o2.tm Method TBLASTX:Maize
Start 8164 End 8391
GI none Score 198
Exons 8164..8391, 8165..8374

Seq. No. 6904 Seq. ID OJ990531_37.9922.C4
Gene No. 14494 Strand +
Start 7431 End 9398
Name OJ990531_37.9922.C4.o1.tm Method TBLASTX:Maize
Start 8407 End 8788
GI none Score 254
Exons 8407..8559, 8411..8692, 8582..8692, 8696..8788, 8717..8788

Seq. No. 6905 Seq. ID OJ990531_37.9922.C7
Gene No. 14495 Strand +
Start 1 End 1059
Name OJ990531_37.9922.C7.o1.gp Method AAT/GAP
Start 1 End 880
GI 342_1.R1084 Score 1086
Exons 1..210, 329..433, 543..880
GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6905 Seq. ID OJ990531_37.9922.C7
Gene No. 14495 Strand +
Start 1 End 1059
Name OJ990531_37.9922.C7.o2.gp Method AAT/GAP
Start 1 End 1059
GI 342_1.R1084 Score 1364
Exons 1..210, 329..433, 543..1059
GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 6905 Seq. ID OJ990531_37.9922.C7
Gene No. 14495 Strand +
Start 1 End 1059
Name OJ990531_37.9922.C7.o1.np Method AAT/NAP
Start 1 End 105
GI 4680203 Score 94
Exons 1..105
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No. 6905 Seq. ID OJ990531_37.9922.C7

Gene No.	14495	Strand	+
Start	1	End	1059
Name	OJ990531_37.9922.C7.ol.gs	Method	GENSCAN
Start	54	End	146
GI	none	Score	.74
Exons	54..146		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.ol.np	Method	AAT/NAP
Start	218	End	9369
GI	5734779	Score	805
Exons	218..570, 1209..1349, 1516..1662, 1920..2072, 2209..2350, 2701..2785, 4037..4151, 9329..9369		
GI Descrip.	(AC007980) 78688 [Arabidopsis thaliana]		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.ol.gs	Method	GENSCAN
Start	247	End	9241
GI	none	Score	85
Exons	247..570, 610..699, 1209..1349, 1441..1662, 1920..2072, 2203..2338, 2701..2785, 4037..4145, 4777..4963, 5041..5156, 5233..5336, 5416..5500, 6381..6548, 6993..7076, 7150..7248, 8599..8662, 9175..9241		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.ol.ts	Method	TBLASTX:Soybean
Start	1202	End	2042
GI	none	Score	164
Exons	1202..1351, 1209..1337, 1518..1673, 1519..1662, 1923..2042, 1946..2038		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.ol.gp	Method	AAT/GAP
Start	1209	End	2267
GI	uC-osflm202109f12b1	Score	838
Exons	1209..1349, 1516..1662, 1920..2072, 2203..2267		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.ol.tm	Method	TBLASTX:Maize
Start	2209	End	2825
GI	none	Score	186
Exons	2209..2340, 2209..2346, 2527..2595, 2709..2783, 2715..2825		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+

Start	218	End	9369
Name	OJ990531_37.9922.C9.o2.np	Method	AAT/NAP
Start	4765	End	6491
GI	5002521	Score	153
Exons	4765..4963, 5041..5156, 5233..5336, 5416..5500, 6378..6491		
GI Descrip.	(AL078606) putative protein [Arabidopsis thaliana]		

Seq. No.	6906	Seq. ID	OJ990531_37.9922.C9
Gene No.	14496	Strand	+
Start	218	End	9369
Name	OJ990531_37.9922.C9.o2.gp	Method	AAT/GAP
Start	6379	End	6935
GI	2312133	Score	769
Exons	6379..6740, 6830..6935		

Seq. No.	6907	Seq. ID	OJ990531_37.9922.C10
Gene No.	14497	Strand	+
Start	588	End	3721
Name	OJ990531_37.9922.C10.o1.gp	Method	AAT/GAP
Start	588	End	1910
GI	uC-psflm202002c04b1	Score	503
Exons	588..813, 1865..1910		
GI Descrip.	'1420932/gb U61383 ORU61383' 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	6907	Seq. ID	OJ990531_37.9922.C10
Gene No.	14497	Strand	+
Start	588	End	3721
Name	OJ990531_37.9922.C10.o1.gs	Method	GENSCAN
Start	588	End	3721
GI	none	Score	.54
Exons	588..813, 1865..2112, 2154..2342, 2420..2557, 2643..3480, 3557..3721		

Seq. No.	6907	Seq. ID	OJ990531_37.9922.C10
Gene No.	14498	Strand	+
Start	3964	End	4325
Name	OJ990531_37.9922.C10.o2.gp	Method	AAT/GAP
Start	3964	End	4325
GI	2800680	Score	583
Exons	3964..4325		

Seq. No.	6907	Seq. ID	OJ990531_37.9922.C10
Gene No.	14499	Strand	-
Start	4044	End	8231
Name	OJ990531_37.9922.C10.o2.gs	Method	GENSCAN
Start	4044	End	8231
GI	none	Score	.71
Exons	4044..4141, 4716..4837, 5141..5189, 6875..7152, 7294..7923, 8149..8231		

Seq. No.	6907	Seq. ID	OJ990531_37.9922.C10
Gene No.	14499	Strand	-
Start	4044	End	8231
Name	OJ990531_37.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	7215	End	7622
GI	none	Score	51

Exons 7215..7277, 7216..7278, 7222..7281, 7367..7477, 7368..7466,
7371..7607, 7372..7611, 7542..7622, 7555..7611

Seq. No.	6908	Seq. ID	OJ990531_37.9922.C11
Gene No.	14500	Strand	+
Start	61	End	837
Name	OJ990531_37.9922.C11.o1.gs	Method	GENSCAN
Start	61	End	837
GI	none	Score	.54
Exons	61..112, 478..539, 671..837		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14501	Strand	+
Start	8782	End	10690
Name	OJ990421_31.9924.C2.o2.gs	Method	GENSCAN
Start	8782	End	10579
GI	none	Score	.76
Exons	8782..8905, 10239..10366, 10442..10579		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14501	Strand	+
Start	8782	End	10690
Name	OJ990421_31.9924.C2.o4.np	Method	AAT/NAP
Start	8785	End	10690
GI	4803931	Score	621
Exons	8785..8905, 9742..9876, 9982..10142, 10239..10366, 10442..10690		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14502	Strand	-
Start	299	End	5440
Name	OJ990421_31.9924.C2.o2.np	Method	AAT/NAP
Start	299	End	5440
GI	2583130	Score	1789
Exons	299..340, 1442..1881, 1942..5440		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14502	Strand	-
Start	299	End	5440
Name	OJ990421_31.9924.C2.o4.tw	Method	TBLASTX:Wheat
Start	1896	End	2303
GI	none	Score	102
Exons	1896..2054, 1918..2289, 2100..2303		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14502	Strand	-
Start	299	End	5440
Name	OJ990421_31.9924.C2.o5.tw	Method	TBLASTX:Wheat
Start	2694	End	2877
GI	none	Score	113
Exons	2694..2876, 2695..2877		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14502	Strand	-
Start	299	End	5440

Name OJ990421_31.9924.C2.o2.tm
 Start 2754
 GI none
 Exons 2754..3104, 2755..3069

Method TBLASTX:Maize
 End 3104
 Score 132

Seq. No. 6909
 Gene No. 14502
 Start 299
 Name OJ990421_31.9924.C2.o2.ts
 Start 2760
 GI none
 Exons 2760..2975, 2979..3179

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 5440
 Method TBLASTX:Soybean
 End 3179
 Score 127

Seq. No. 6909
 Gene No. 14502
 Start 299
 Name OJ990421_31.9924.C2.o3.tw
 Start 2883
 GI none
 Exons 2883..2933, 2916..3299, 2917..3300

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 5440
 Method TBLASTX:Wheat
 End 3300
 Score 177

Seq. No. 6909
 Gene No. 14502
 Start 299
 Name OJ990421_31.9924.C2.o3.tm
 Start 3258
 GI none
 Exons 3258..3404, 3432..3749, 3481..3537, 3568..3750, 3732..3896

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 5440
 Method TBLASTX:Maize
 End 3896
 Score 66

Seq. No. 6909
 Gene No. 14502
 Start 299
 Name OJ990421_31.9924.C2.o3.ts
 Start 3420
 GI none
 Exons 3420..3707

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 5440
 Method TBLASTX:Soybean
 End 3707
 Score 192

Seq. No. 6909
 Gene No. 14502
 Start 299
 Name OJ990421_31.9924.C2.o1.tw
 Start 3471
 GI none
 Exons 3471..3638, 3472..3645, 3488..3652, 3547..3666, 3630..3716, 3633..3851, 3637..3849

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 5440
 Method TBLASTX:Wheat
 End 3851
 Score 181

Seq. No. 6909
 Gene No. 14503
 Start 8781
 Name OJ990421_31.9924.C2.o1.ts
 Start 8781
 GI none
 Exons 8781..8876, 8785..8907, 8785..8907, 9641..9700, 9643..9705, 9644..9709, 9785..9904, 9785..9859, 9793..9888, 9992..10036

Seq. ID OJ990421_31.9924.C2
 Strand -
 End 10590
 Method TBLASTX:Soybean
 End 10036
 Score 127

Seq. No. 6909
 Gene No. 14503

Seq. ID OJ990421_31.9924.C2
 Strand

Start	8781	End	10590
Name	OJ990421_31.9924.C2.ol.tm	Method	TBLASTX:Maize
Start	9637	End	10579
GI	none	Score	89
Exons	9637..9708, 9644..9709, 9785..9874, 9790..9876, 9992..10141, 10223..10369, 10382..10579, 10427..10579		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14503	Strand	
Start	8781	End	10590
Name	OJ990421_31.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	9780	End	10495
GI	none	Score	141
Exons	9780..9872, 9781..9876, 9782..9874, 9991..10143, 9992..10144, 10003..10146, 10223..10369, 10234..10368, 10442..10495, 10446..10493, 10447..10494		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14503	Strand	
Start	8781	End	10590
Name	OJ990421_31.9924.C2.ol.tc	Method	TBLASTX:Cress
Start	10106	End	10581
GI	none	Score	51
Exons	10106..10141, 10223..10369, 10232..10357, 10394..10579, 10426..10578, 10450..10581		

Seq. No.	6909	Seq. ID	OJ990421_31.9924.C2
Gene No.	14503	Strand	
Start	8781	End	10590
Name	OJ990421_31.9924.C2.o4.ts	Method	TBLASTX:Soybean
Start	10295	End	10590
GI	none	Score	114
Exons	10295..10369, 10297..10368, 10382..10579, 10427..10576, 10429..10590, 10429..10578, 10440..10580		

Seq. No.	6910	Seq. ID	OJ990421_31.9924.C3
Gene No.	14504	Strand	-
Start	208	End	342
Name	OJ990421_31.9924.C3.ol.gs	Method	GENSCAN
Start	208	End	342
GI	none	Score	.59
Exons	208..342		

Seq. No.	6911	Seq. ID	OJ990421_31.9924.C4
Gene No.	14505	Strand	-
Start	1	End	277
Name	OJ990421_31.9924.C4.ol.np	Method	AAT/NAP
Start	1	End	277
GI	2498930	Score	104
Exons	1..48, 216..277		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6911	Seq. ID	OJ990421_31.9924.C4
Gene No.	14506	Strand	-
Start	216	End	275
Name	OJ990421_31.9924.C4.ol.gs	Method	GENSCAN

Start	216	End	275
GI	none	Score	.99
Exons	216..275		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14507	Strand	+
Start	4893	End	9858
Name	OJ990421_31.9924.C5.o4.np	Method	AAT/NAP
Start	4893	End	9858
GI	5852172	Score	86
Exons	4893..4976, 9667..9715, 9791..9858		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14507	Strand	+
Start	4893	End	9858
Name	OJ990421_31.9924.C5.o1.gp	Method	AAT/GAP
Start	7492	End	8329
GI	533_1.R1084	Score	173
Exons	7492..7552, 8168..8267, 8290..8329		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14508	Strand	-
Start	1	End	3977
Name	OJ990421_31.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	3977
GI	2583130	Score	1682
Exons	1..358, 415..3977		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14508	Strand	-
Start	1	End	3977
Name	OJ990421_31.9924.C5.o1.gs	Method	GENSCAN
Start	572	End	2810
GI	none	Score	.64
Exons	572..1241, 1558..1742, 1989..2138, 2178..2810		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14509	Strand	-
Start	9783	End	9981
Name	OJ990421_31.9924.C5.o3.tw	Method	TBLASTX:Wheat
Start	489	End	874
GI	none	Score	64
Exons	489..593, 614..841, 632..874, 687..869		

Seq. No.	6912	Seq. ID	OJ990421_31.9924.C5
Gene No.	14509	Strand	-
Start	9783	End	9981
Name	OJ990421_31.9924.C5.o4.tw	Method	TBLASTX:Wheat
Start	1255	End	1413
GI	none	Score	118

Exons 1255..1413, 1257..1412

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o1.tm
Start 1269
GI none
Exons 1269..1640, 1279..1650

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Maize
End 1650
Score 144

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o1.ts
Start 1296
GI none
Exons 1296..1511, 1515..1715

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Soybean
End 1715
Score 99

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o1.tw
Start 1419
GI none
Exons 1419..1481, 1464..1835, 1480..1728, 1783..1836

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Wheat
End 1836
Score 128

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o2.tm
Start 2127
GI none
Exons 2127..2267, 2271..2510, 2538..2624

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Maize
End 2624
Score 57

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o2.tw
Start 2167
GI none
Exons 2167..2448, 2169..2522

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Wheat
End 2522
Score 169

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o2.ts
Start 2607
GI none
Exons 2607..2906, 2608..2685, 2889..2990

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Soybean
End 2990
Score 64

Seq. No. 6912
Gene No. 14509
Start 9783
Name OJ990421_31.9924.C5.o5.tw
Start 3486
GI none
Exons 3486..3677, 3535..3678, 3554..3688, 3681..3872, 3742..3855

Seq. ID OJ990421_31.9924.C5
Strand -
End 9981
Method TBLASTX:Wheat
End 3872
Score 65

Seq. No. 6912
 Gene No. 14509
 Start 9783
 Name OJ990421_31.9924.C5.o3.gs
 Start 9783
 GI none
 Exons 9783..9981

Seq. ID OJ990421_31.9924.C5
 Strand -
 End 9981
 Method GENSCAN
 End 9981
 Score .58

Seq. No. 6913
 Gene No. 14510
 Start 457
 Name OJ990421_31.9924.C6.o1.gs
 Start 457
 GI none
 Exons 457..618, 1694..1912

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 1912
 Method GENSCAN
 End 1912
 Score .41

Seq. No. 6913
 Gene No. 14511
 Start 2668
 Name OJ990421_31.9924.C6.o2.gs
 Start 2668
 GI none
 Exons 2668..2783, 3255..3348, 3896..3965, 4076..4155, 5030..5106, 5371..5847, 6212..6496, 6523..6682, 7138..7222, 7267..7397, 8037..8179, 8727..8928

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 8928
 Method GENSCAN
 End 8928
 Score .82

Seq. No. 6913
 Gene No. 14511
 Start 2668
 Name OJ990421_31.9924.C6.o1.gp
 Start 3294
 GI 17876_1.R1084
 Exons 3294..3348, 3625..3719, 3896..3965, 4046..4155, 4609..4725, 5030..5106, 5202..5246, 5371..6068, 6137..6168

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 8928
 Method AAT/GAP
 End 6168
 Score 2285

GI Descrip. '5091616/gb|AAD39604.1|AC007454_3 1.0e-52 (AC007454) F23M19.3 [Arabidopsis thaliana]'

Seq. No. 6913
 Gene No. 14512
 Start 9299
 Name OJ990421_31.9924.C6.o4.gp
 Start 9242
 GI 2428262
 Exons 9242..9595

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 9700
 Method AAT/GAP
 End 9595
 Score 659

Seq. No. 6913
 Gene No. 14512
 Start 9299
 Name OJ990421_31.9924.C6.o3.gs
 Start 9299
 GI none
 Exons 9299..9700

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 9700
 Method GENSCAN
 End 9700
 Score .54

Seq. No. 6913
 Gene No. 14513
 Start 11866

Seq. ID OJ990421_31.9924.C6
 Strand +
 End 13890

Name	OJ990421_31.9924.C6.o1.np	Method	AAT/NAP
Start	11842	End	13890
GI	6721098	Score	688
Exons	11842..12278, 12309..12641, 13840..13890		
GI Descrip.	(AC007396) T4O12.3 [Arabidopsis thaliana]		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14513	Strand	+
Start	11866	End	13890
Name	OJ990421_31.9924.C6.o4.gs	Method	GENSCAN
Start	11866	End	13340
GI	none	Score	.68
Exons	11866..12641, 13238..13340		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14514	Strand	+
Start	16529	End	19469
Name	OJ990421_31.9924.C6.o2.np	Method	AAT/NAP
Start	16529	End	19466
GI	6691716	Score	2292
Exons	16529..17413, 17611..17786, 17869..18136, 18313..18507, 18583..18686, 18837..18948, 19021..19466		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14514	Strand	+
Start	16529	End	19469
Name	OJ990421_31.9924.C6.o6.gs	Method	GENSCAN
Start	16529	End	19469
GI	none	Score	.88
Exons	16529..17413, 17611..17786, 17869..18200, 18320..18507, 18583..18772, 19021..19469		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14515	Strand	+
Start	30787	End	32111
Name	OJ990421_31.9924.C6.o9.gs	Method	GENSCAN
Start	30787	End	32111
GI	none	Score	.69
Exons	30787..31285, 31775..31869, 31959..32111		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14516	Strand	-
Start	6188	End	6931
Name	OJ990421_31.9924.C6.o3.gp	Method	AAT/GAP
Start	6188	End	6931
GI	6547_1.R1084	Score	783
Exons	6188..6373, 6586..6931		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14517	Strand	-
Start	14170	End	14517
Name	OJ990421_31.9924.C6.o5.gs	Method	GENSCAN

Start 14170
GI none
Exons 14170..14517

End 14517
Score .41

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o2.ts Method TBLASTX:Soybean
Start 2279 End 2795
GI none Score 279
Exons 2279..2551, 2280..2597, 2689..2784, 2689..2778, 2718..2795

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o6.tm Method TBLASTX:Maize
Start 2324 End 3317
GI none Score 210
Exons 2324..2602, 2325..2597, 2689..2796, 2722..2790, 2727..2795, 3252..3317

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o10.tm Method TBLASTX:Maize
Start 6670 End 6936
GI none Score 111
Exons 6670..6801, 6676..6717, 6682..6780, 6723..6785, 6739..6840, 6781..6816, 6805..6870, 6817..6870, 6817..6843, 6859..6933, 6895..6936

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o8.tm Method TBLASTX:Maize
Start 9424 End 9607
GI none Score 259
Exons 9424..9552, 9425..9607

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o10.tw Method TBLASTX:Wheat
Start 9425 End 9595
GI none Score 176
Exons 9425..9544, 9431..9526, 9487..9543, 9521..9595

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6
Gene No. 14518 Strand -
Start 19786 End 32273
Name OJ990421_31.9924.C6.o1.ts Method TBLASTX:Soybean
Start 11878 End 12600
GI none Score 400
Exons 11878..12192, 11895..12188, 12223..12273, 12330..12374, 12331..12390, 12442..12600, 12462..12599

Seq. No. 6913 Seq. ID OJ990421_31.9924.C6

Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	11887	End	12171
GI	none	Score	247
Exons	11887..12093, 11889..12077, 12088..12171, 12093..12170		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	11895	End	12594
GI	none	Score	387
Exons	11895..12194, 11896..12192, 12223..12273, 12331..12390, 12442..12594, 12447..12593		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o14.tw	Method	TBLASTX:Wheat
Start	11931	End	12390
GI	none	Score	47
Exons	11931..11954, 11932..11955, 12049..12126, 12051..12149, 12130..12192, 12223..12267, 12346..12390		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o11.tw	Method	TBLASTX:Wheat
Start	12442	End	13832
GI	none	Score	221
Exons	12442..12594, 12447..12596, 13779..13832		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o12.tm	Method	TBLASTX:Maize
Start	12442	End	12591
GI	none	Score	200
Exons	12442..12591, 12447..12590		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o12.tw	Method	TBLASTX:Wheat
Start	16649	End	16939
GI	none	Score	211
Exons	16649..16939		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o7.gs	Method	GENSCAN
Start	19786	End	28641
GI	none	Score	.7
Exons	19786..22947, 23083..25900, 26336..26408, 26739..26948, 27085..27364, 28570..28641		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o6.tw	Method	TBLASTX:Wheat
Start	19798	End	20412
GI	none	Score	62
Exons	19798..19935, 19802..19924, 19921..20079, 20134..20412, 20150..20251		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o3.np	Method	AAT/NAP
Start	19822	End	25896
GI	5922631	Score	6712
Exons	19822..22349, 22956..23879, 24006..24154, 24197..24761, 24807..25016, 25266..25513, 25772..25896		
GI Descrip.	(AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o9.tm	Method	TBLASTX:Maize
Start	19837	End	20070
GI	none	Score	102
Exons	19837..19938, 19838..19939, 19918..20070, 19919..19969		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o14.tm	Method	TBLASTX:Maize
Start	20182	End	20455
GI	none	Score	63
Exons	20182..20268, 20278..20361, 20279..20365, 20356..20454, 20357..20455		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	20527	End	20914
GI	none	Score	107
Exons	20527..20712, 20527..20913, 20603..20914		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	20557	End	20920
GI	none	Score	67

Exons 20557..20604, 20558..20605, 20585..20899, 20596..20919,
20609..20920

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o13.tw	Method	TBLASTX:Wheat
Start	20917	End	21216
GI	none	Score	134
Exons	20917..21057, 21082..21216		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o4.tw	Method	TBLASTX:Wheat
Start	21232	End	21654
GI	none	Score	266
Exons	21232..21654, 21242..21646		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o4.ts	Method	TBLASTX:Soybean
Start	21275	End	21663
GI	none	Score	162
Exons	21275..21655, 21277..21519, 21559..21663		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o13.tm	Method	TBLASTX:Maize
Start	21328	End	21601
GI	none	Score	60
Exons	21328..21426, 21329..21394, 21430..21600, 21431..21601		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o5.tw	Method	TBLASTX:Wheat
Start	21691	End	22120
GI	none	Score	128
Exons	21691..22119, 21848..22120		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	21778	End	22221
GI	none	Score	86
Exons	21778..21804, 21814..21945, 21815..21946, 21967..22221, 21968..22189, 22021..22197		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	21889	End	22320

GI	none	Score	58
Exons	21889..22320, 21923..22093, 22130..22273		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	22165	End	22584
GI	none	Score	238
Exons	22165..22584, 22166..22582, 22369..22584		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	22453	End	22809
GI	none	Score	214
Exons	22453..22809, 22463..22768		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o5.ts	Method	TBLASTX:Soybean
Start	22534	End	22899
GI	none	Score	138
Exons	22534..22668, 22675..22899		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o8.tw	Method	TBLASTX:Wheat
Start	22585	End	22818
GI	none	Score	143
Exons	22585..22797, 22585..22818, 22586..22798		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	22819	End	23616
GI	none	Score	123
Exons	22819..23112, 22823..23047, 23159..23395, 23161..23391, 23434..23616, 23440..23553		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o7.tw	Method	TBLASTX:Wheat
Start	24190	End	24592
GI	none	Score	117
Exons	24190..24591, 24323..24592		
Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o4.np	Method	AAT/NAP
Start	27746	End	32273

GI	6069646	Score	786
Exons	27746..28730, 29013..29451, 32240..32273		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o7.tm	Method	TBLASTX:Maize
Start	27773	End	28320
GI	none	Score	51
Exons	27773..27979, 27842..27961, 27971..28195, 28074..28196, 28198..28221, 28231..28320		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o11.tm	Method	TBLASTX:Maize
Start	28417	End	28781
GI	none	Score	154
Exons	28417..28500, 28507..28569, 28638..28781		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o9.tw	Method	TBLASTX:Wheat
Start	28716	End	29156
GI	none	Score	45
Exons	28716..28844, 28720..28845, 28857..29156, 28966..29151		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	28794	End	29409
GI	none	Score	205
Exons	28794..29249, 28795..29247, 29265..29405, 29320..29409		

Seq. No.	6913	Seq. ID	OJ990421_31.9924.C6
Gene No.	14518	Strand	-
Start	19786	End	32273
Name	OJ990421_31.9924.C6.o8.gs	Method	GENSCAN
Start	28947	End	29776
GI	none	Score	.79
Exons	28947..29360, 29421..29533, 29755..29776		

Seq. No.	6914	Seq. ID	OJ990421_31.9924.C7
Gene No.	14519	Strand	+
Start	296	End	1609
Name	OJ990421_31.9924.C7.o1.gs	Method	GENSCAN
Start	296	End	1564
GI	none	Score	.68
Exons	296..841, 1177..1564		

Seq. No. 6914
 Gene No. 14519
 Start 296
 Name OJ990421_31.9924.C7.o2.tm
 Start 575
 GI none
 Exons 575..991

Seq. ID OJ990421_31.9924.C7
 Strand +
 End 1609
 Method TBLASTX:Maize
 End 991
 Score 281

Seq. No. 6914
 Gene No. 14519
 Start 296
 Name OJ990421_31.9924.C7.o2.tw
 Start 581
 GI none
 Exons 581..943, 589..927

Seq. ID OJ990421_31.9924.C7
 Strand +
 End 1609
 Method TBLASTX:Wheat
 End 943
 Score 254

Seq. No. 6914
 Gene No. 14519
 Start 296
 Name OJ990421_31.9924.C7.o1.np
 Start 785
 GI 2213632
 Exons 785..1609
 GI Descrip. (AC000103) F21J9.24 [Arabidopsis thaliana]

Seq. ID OJ990421_31.9924.C7
 Strand +
 End 1609
 Method AAT/NAP
 End 1609
 Score 587

Seq. No. 6914
 Gene No. 14519
 Start 296
 Name OJ990421_31.9924.C7.o1.tw
 Start 1077
 GI none
 Exons 1077..1115, 1119..1250, 1123..1260, 1252..1497, 1262..1321, 1263..1496

Seq. ID OJ990421_31.9924.C7
 Strand +
 End 1609
 Method TBLASTX:Wheat
 End 1497
 Score 38

Seq. No. 6914
 Gene No. 14519
 Start 296
 Name OJ990421_31.9924.C7.o1.tm
 Start 1086
 GI none
 Exons 1086..1145, 1119..1403, 1123..1404, 1402..1464, 1444..1509

Seq. ID OJ990421_31.9924.C7
 Strand +
 End 1609
 Method TBLASTX:Maize
 End 1509
 Score 39

Seq. No. 6915
 Gene No. 14520
 Start 1
 Name OJ990421_31.9924.C8.o1.np
 Start 1
 GI 6863054
 Exons 1..20, 411..606, 689..827, 904..1095
 GI Descrip. (AB037681) heat shock protein 90 [Oryza sativa]

Seq. ID OJ990421_31.9924.C8
 Strand -
 End 1095
 Method AAT/NAP
 End 1095
 Score 671

Seq. No. 6915
 Gene No. 14520
 Start 1
 Name OJ990421_31.9924.C8.o1.ts
 Start 439
 GI none

Seq. ID OJ990421_31.9924.C8
 Strand -
 End 1095
 Method TBLASTX:Soybean
 End 1078
 Score 188

Exons 439..570, 440..604, 447..608, 454..624, 681..803, 689..919, 691..828, 908..1078, 966..1070

Seq. No. 6915 Seq. ID OJ990421_31.9924.C8
Gene No. 14520 Strand -
Start 1 End 1095
Name OJ990421_31.9924.C8.o1.tc Method TBLASTX:Cress
Start 447 End 1078
GI none Score 169
Exons 447..608, 454..615, 689..814, 691..825, 694..816, 881..1075, 889..1071, 908..1078, 969..1076

Seq. No. 6915 Seq. ID OJ990421_31.9924.C8
Gene No. 14520 Strand -
Start 1 End 1095
Name OJ990421_31.9924.C8.o1.tm Method TBLASTX:Maize
Start 447 End 1070
GI none Score 94
Exons 447..608, 454..588, 694..804, 929..1069, 984..1070

Seq. No. 6915 Seq. ID OJ990421_31.9924.C8
Gene No. 14520 Strand -
Start 1 End 1095
Name OJ990421_31.9924.C8.o1.gp Method AAT/GAP
Start 456 End 1095
GI 5260_1.R1084 Score 850
Exons 456..606, 689..827, 904..1095
GI Descrip. '544242/sp|P36183|ENPL_HORVU 0.0e+00 ENDOPLASMIN HOMOLOG
PRECURSOR (GRP94 HOMOLOG) >gi_485498_pir_S33533 heat shock
protein 90 homolog precursor - barley >gi_22652_emb_CAA48143_
(X67960) GRP94 homologue [Hordeum vulgare]'

Seq. No. 6915 Seq. ID OJ990421_31.9924.C8
Gene No. 14520 Strand -
Start 1 End 1095
Name OJ990421_31.9924.C8.o1.gs Method GENSCAN
Start 456 End 1024
GI none Score 1
Exons 456..606, 689..827, 904..1024

Seq. No. 6915 Seq. ID OJ990421_31.9924.C8
Gene No. 14520 Strand -
Start 1 End 1095
Name OJ990421_31.9924.C8.o1.tw Method TBLASTX:Wheat
Start 462 End 844
GI none Score 129
Exons 462..608, 462..608, 463..624, 464..622, 689..844, 689..829, 691..831

Seq. No. 6916 Seq. ID OJ990421_31.9924.C9
Gene No. 14521 Strand -
Start 10 End 161
Name OJ990421_31.9924.C9.o1.gs Method GENSCAN
Start 10 End 161
GI none Score .45
Exons 10..161

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o1.gp	Method	AAT/GAP
Start	1	End	1373
GI	5260_1.R1084	Score	901
Exons	1..34, 182..293, 385..465, 1011..1164, 1250..1373		
GI Descrip.	'544242/sp P36183 ENPL_HORVU 0.0e+00 ENDOPLASMIN HOMOLOG PRECURSOR (GRP94 HOMOLOG) >gi_485498_pir_S33533 heat shock protein 90 homolog precursor - barley >gi_22652_emb_CAA48143_ (X67960) GRP94 homologue [Hordeum vulgare]'		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	1437
GI	6863054	Score	663
Exons	1..34, 182..293, 385..465, 1011..1164, 1250..1437		
GI Descrip.	(AB037681) heat shock protein 90 [Oryza sativa]		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	178	End	424
GI	none	Score	57
Exons	178..219, 180..224, 207..266, 207..293, 208..294, 212..295, 382..423, 389..424		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o1.gs	Method	GENSCAN
Start	182	End	1370
GI	none	Score	.89
Exons	182..293, 385..465, 1011..1164, 1250..1370		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	183	End	1368
GI	none	Score	144
Exons	183..293, 184..294, 184..294, 382..465, 389..466, 393..482, 990..1172, 996..1166, 1093..1173, 1210..1251, 1237..1368, 1238..1366		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	382	End	1369
GI	none	Score	127
Exons	382..465, 383..466, 385..468, 990..1172, 1010..1114, 1093..1173, 1238..1282, 1291..1368, 1292..1369		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.ol.tm	Method	TBLASTX:Maize
Start	424	End	1373
GI	none	Score	171
Exons	424..465, 990..1166, 1007..1165, 1011..1166, 1093..1167, 1237..1371, 1251..1373		

Seq. No.	6917	Seq. ID	OJ990421_31.9924.C10
Gene No.	14522	Strand	-
Start	1	End	1437
Name	OJ990421_31.9924.C10.ol.tw	Method	TBLASTX:Wheat
Start	1010	End	1173
GI	none	Score	162
Exons	1010..1165, 1011..1172, 1093..1173		

Seq. No.	6918	Seq. ID	OJ990421_31.9924.C12
Gene No.	14523	Strand	-
Start	1733	End	2572
Name	OJ990421_31.9924.C12.ol.np	Method	AAT/NAP
Start	1733	End	2572
GI	4581120	Score	419
Exons	1733..2009, 2043..2330, 2358..2572		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6918	Seq. ID	OJ990421_31.9924.C12
Gene No.	14523	Strand	-
Start	1733	End	2572
Name	OJ990421_31.9924.C12.ol.ts	Method	TBLASTX:Soybean
Start	2062	End	2475
GI	none	Score	120
Exons	2062..2310, 2070..2273, 2070..2321, 2071..2310, 2210..2473, 2217..2438, 2368..2460, 2377..2475		

Seq. No.	6918	Seq. ID	OJ990421_31.9924.C12
Gene No.	14523	Strand	-
Start	1733	End	2572
Name	OJ990421_31.9924.C12.ol.tc	Method	TBLASTX:Cress
Start	2085	End	2435
GI	none	Score	93
Exons	2085..2345, 2194..2307, 2240..2371, 2376..2435		

Seq. No.	6918	Seq. ID	OJ990421_31.9924.C12
Gene No.	14523	Strand	-
Start	1733	End	2572
Name	OJ990421_31.9924.C12.ol.tm	Method	TBLASTX:Maize
Start	2103	End	2421
GI	none	Score	125
Exons	2103..2318, 2106..2288, 2125..2313, 2253..2336, 2370..2408, 2375..2407, 2377..2412, 2377..2421		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14524	Strand	+
Start	5	End	1221
Name	OJ990421_31.9924.C13.ol.np	Method	AAT/NAP
Start	5	End	1221

GI 6721543 Score 100
 Exons 5..133, 787..862, 1181..1221
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14525 Strand +
 Start 7129 End 7299
 Name OJ990421_31.9924.C13.o4.gp Method AAT/GAP
 Start 7129 End 7299
 GI 7406_1.R1084 Score 213
 Exons 7129..7299
 GI Descrip. '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14526 Strand +
 Start 18562 End 18642
 Name OJ990421_31.9924.C13.o7.gp Method AAT/GAP
 Start 18562 End 18642
 GI 38012_1.R1084 Score 106
 Exons 18562..18642
 GI Descrip. '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14527 Strand +
 Start 22579 End 23831
 Name OJ990421_31.9924.C13.o4.gs Method GENSCAN
 Start 22579 End 23831
 GI none Score .97
 Exons 22579..22608, 23142..23189, 23544..23831

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14527 Strand +
 Start 22579 End 23831
 Name OJ990421_31.9924.C13.o5.np Method AAT/NAP
 Start 23556 End 23831
 GI 6634732 Score 134
 Exons 23556..23831
 GI Descrip. (AC012463) T2E6.8 [Arabidopsis thaliana]

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14528 Strand +
 Start 23948 End 24108
 Name OJ990421_31.9924.C13.o8.gp Method AAT/GAP
 Start 23948 End 24108
 GI none Score 179
 Exons 23948..24108

Seq. No. 6919 Seq. ID OJ990421_31.9924.C13
 Gene No. 14529 Strand -
 Start 646 End 20416
 Name OJ990421_31.9924.C13.o1.gp Method AAT/GAP
 Start 368 End 821
 GI LIB3431-045-P1-N1-A10 Score 876
 Exons 368..821
 GI Descrip. '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o1.gs	Method	GENSCAN
Start	646	End	6691
GI	none	Score	.56
Exons	646..806, 957..1159, 1164..1211, 1275..1406, 1497..1534, 1600..1782, 1875..2133, 2210..2508, 2602..3012, 3097..3433, 3539..3689, 4063..6691		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o2.np	Method	AAT/NAP
Start	925	End	6238
GI	5441880	Score	4732
Exons	925..1159, 1275..1406, 1497..1520, 1557..1630, 1875..2133, 2210..2508, 3097..3433, 3539..3689, 4183..4498, 4757..4788, 5233..6238		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o2.gp	Method	AAT/GAP
Start	1883	End	2382
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	1883..2133, 2210..2382		

GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o3.gp	Method	AAT/GAP
Start	5203	End	5634
GI	5701669	Score	841
Exons	5203..5634		

GI Descrip. 5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o4.np	Method	AAT/NAP
Start	5423	End	20416
GI	5852093	Score	37
Exons	5423..5481, 16365..16467, 18326..18366, 20257..20416		

GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
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Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o2.gs	Method	GENSCAN
Start	7636	End	11240
GI	none	Score	.71
Exons	7636..7729, 8559..8747, 10423..11240		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o5.gp	Method	AAT/GAP
Start	8261	End	9040
GI	5542_1.R1084	Score	975
Exons	8261..8747, 8944..9040		
GI Descrip.	'3551958/gb AAC34857.1 2.0e-14 (AF082032) senescence-associated protein 12 [Hemerocallis hybrid cultivar]'		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o6.gp	Method	AAT/GAP
Start	9434	End	10670
GI	54101_1.R1084	Score	1515
Exons	9434..9982, 10423..10670		
GI Descrip.	'2708750 7.0e-47 (AC003952) putative physical impedance protein [Arabidopsis thaliana]'		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o3.gs	Method	GENSCAN
Start	13565	End	17749
GI	none	Score	.93
Exons	13565..13929, 15130..17749		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14529	Strand	-
Start	646	End	20416
Name	OJ990421_31.9924.C13.o3.np	Method	AAT/NAP
Start	13568	End	17749
GI	1263160	Score	4759
Exons	13568..13929, 15130..17749		
GI Descrip.	(X89226) leucine-rich repeat/receptor protein kinase [Oryza sativa]		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	5003	End	5383
GI	none	Score	81
Exons	5003..5179, 5033..5179, 5058..5183, 5177..5374, 5189..5383		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o4.tm	Method	TBLASTX:Maize

Start	5081	End	5677
GI	none	Score	151
Exons	5081..5152, 5216..5515, 5277..5498, 5549..5677, 5571..5669		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	8567	End	10655
GI	none	Score	76
Exons	8567..8749, 8610..8750, 8959..9009, 9802..9984, 9805..9990, 9818..10000, 10470..10655, 10471..10638		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o5.tm	Method	TBLASTX:Maize
Start	8568	End	9978
GI	none	Score	158
Exons	8568..8750, 8573..8749, 8632..8751, 8938..9027, 9804..9878, 9806..9976, 9808..9978, 9817..9978		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o3.tc	Method	TBLASTX:Cress
Start	8573	End	9990
GI	none	Score	139
Exons	8573..8749, 9808..9990, 9818..9985		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o3.tw	Method	TBLASTX:Wheat
Start	9865	End	10655
GI	none	Score	96
Exons	9865..9984, 10422..10655, 10423..10635		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o3.tm	Method	TBLASTX:Maize
Start	10416	End	10806
GI	none	Score	52
Exons	10416..10508, 10422..10523, 10423..10524, 10446..10805, 10503..10763, 10525..10806		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o2.tc	Method	TBLASTX:Cress
Start	10422	End	11159
GI	none	Score	155
Exons	10422..10655, 10423..10635, 10818..10886, 10899..11042, 11127..11159		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
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Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o8.tm	Method	TBLASTX:Maize
Start	10809	End	11065
GI	none	Score	95
Exons	10809..10889, 10810..10911, 10893..11051, 10972..11031, 11048..11065		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	13592	End	17584
GI	none	Score	68
Exons	13592..13942, 13611..13691, 13782..13931, 15125..15160, 15131..15187, 15191..15571, 15192..15572, 15582..15695, 15587..15694, 15899..16300, 15905..16072, 15915..16325, 15922..15942, 15938..16126, 15953..16081, 15956..16303, 15957..16193, 15959..16150, 15959..16303, 15959..16303, 15959..16102, 15959..16303, 15959..16294, 15959..16270, 15960..16325, 15980..16156, 15983..16225, 16052..16213, 16076..16294, 16091..16294, 16196..16303, 16242..16307, 16301..16486, 16367..16651, 16370..17302, 16376..16723, 16379..16591, 16388..16759, 16440..16754, 16454..16834, 16505..16747, 16604..16978, 16821..17138, 16889..16939, 16892..17059, 16892..17023, 16892..17059, 17184..17300, 17330..17506, 17399..17500, 17489..17584		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o9.tm	Method	TBLASTX:Maize
Start	13592	End	13804
GI	none	Score	111
Exons	13592..13675, 13595..13753, 13596..13724, 13707..13802, 13781..13804		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	13608	End	17500
GI	none	Score	65
Exons	13608..13718, 13616..13783, 13787..13825, 13823..13942, 13824..13931, 15131..15178, 15191..15538, 15195..15539, 15567..15695, 15587..15694, 15896..16300, 15897..16016, 15953..16294, 15953..16198, 15959..16303, 15959..16294, 15959..16270, 15959..16303, 15959..16303, 16031..16303, 16088..16294, 16101..16322, 16166..16252, 16211..16294, 16376..16507, 16376..16765, 16376..16555, 16379..16699, 16388..16765, 16388..16834, 16388..16723, 16388..16765, 16425..16754, 16445..16759, 16454..16834, 16505..16831, 16604..17011, 16706..16825, 16820..17188, 16820..17059, 16821..16997, 16886..17059, 16889..17302, 16892..17059, 17034..17069, 17057..17302, 17063..17311, 17399..17500		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
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Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	13855	End	15695
GI	none	Score	91
Exons	13855..13932, 13856..13942, 13860..13931, 13861..13932, 15131..15178, 15191..15538, 15192..15539, 15566..15694, 15567..15695		
Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o2.tw	Method	TBLASTX:Wheat
Start	15224	End	15538
GI	none	Score	204
Exons	15224..15538, 15225..15512		
Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	15959	End	17311
GI	none	Score	55
Exons	15959..16300, 15959..16246, 15959..16213, 15959..16144, 15960..16280, 15960..16199, 16002..16073, 16013..16285, 16023..16322, 16079..16294, 16085..16741, 16085..16303, 16192..16347, 16195..16347, 16264..16326, 16313..16699, 16367..16834, 16367..16732, 16373..16600, 16379..16654, 16388..16765, 16425..16754, 16460..16726, 16509..16754, 16523..16759, 16538..16741, 16604..16831, 16817..17059, 16818..16982, 16820..17059, 16821..16931, 16821..16862, 16821..17048, 16821..16985, 16889..17065, 16892..17059, 16892..17059, 17066..17311, 17093..17308, 17102..17302, 17102..17281		
Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o3.ts	Method	TBLASTX:Soybean
Start	23559	End	23780
GI	none	Score	195
Exons	23559..23780, 23600..23734, 23722..23745		
Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o7.tm	Method	TBLASTX:Maize
Start	23571	End	24014
GI	none	Score	228
Exons	23571..23786, 23594..23734, 23780..23836, 23946..24014		
Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o6.np	Method	AAT/NAP
Start	24716	End	28370
GI	6721111	Score	953

Exons 24716..24812, 24885..25060, 25342..25420, 25984..26183,
26343..26606, 27291..27434, 28118..28370
GI Descrip. (AC007396) T4012.22 [Arabidopsis thaliana]

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o5.gs	Method	GENSCAN
Start	25751	End	28522
GI	none	Score	.93
Exons	25751..25773, 25988..26183, 26433..26606, 27291..27434, 28193..28522		

Seq. No.	6919	Seq. ID	OJ990421_31.9924.C13
Gene No.	14530	Strand	-
Start	24716	End	28522
Name	OJ990421_31.9924.C13.o6.tm	Method	TBLASTX:Maize
Start	26107	End	27410
GI	none	Score	94
Exons	26107..26184, 26109..26186, 26109..26186, 26341..26607, 26343..26606, 26386..26607, 27288..27410, 27290..27403		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14531	Strand	+
Start	3125	End	6161
Name	OJ990421_31.9924.C14.o1.gp	Method	AAT/GAP
Start	3125	End	4411
GI	6484_1.R1084	Score	661
Exons	3125..3409, 4332..4411		
GI Descrip.	'1245938/gb S80361 S80361 7.0e-09 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]'		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14531	Strand	+
Start	3125	End	6161
Name	OJ990421_31.9924.C14.o1.np	Method	AAT/NAP
Start	3441	End	6161
GI	6598805	Score	352
Exons	3441..3612, 4332..4510, 5098..5181, 5297..5467, 5705..5808, 6032..6161		
GI Descrip.	(AF024504) unknown protein [Arabidopsis thaliana]		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14532	Strand	-
Start	1682	End	3398
Name	OJ990421_31.9924.C14.o1.gs	Method	GENSCAN
Start	1682	End	3398
GI	none	Score	.48
Exons	1682..1699, 2339..2384, 3139..3398		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14533	Strand	-
Start	7112	End	11249
Name	OJ990421_31.9924.C14.o2.gp	Method	AAT/GAP
Start	7045	End	9068
GI	17854_1.R1084	Score	1288
Exons	7045..7366, 8031..8267, 8934..9068		

GI Descrip. '4206122 2.0e-86 (AF097667) protein phosphatase 2C homolog
[Mesembryanthemum crystallinum]'

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14533	Strand	-
Start	7112	End	11249
Name	OJ990421_31.9924.C14.o2.np	Method	AAT/NAP
Start	7100	End	9725
GI	4206122	Score	1565
Exons	7100..7366, 8031..8267, 8934..9301, 9407..9725		
GI Descrip.	(AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14533	Strand	-
Start	7112	End	11249
Name	OJ990421_31.9924.C14.o3.gs	Method	GENSCAN
Start	7112	End	11249
GI	none	Score	.78
Exons	7112..7465, 8031..8267, 8934..9301, 9407..9655, 10370..10471, 11054..11249		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14533	Strand	-
Start	7112	End	11249
Name	OJ990421_31.9924.C14.o3.gp	Method	AAT/GAP
Start	9244	End	10961
GI	6454_1.R1084	Score	1162
Exons	9244..9301, 9407..9826, 10835..10961		
GI Descrip.	'4206122 2.0e-53 (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]'		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	5097	End	5826
GI	none	Score	97
Exons	5097..5198, 5098..5157, 5105..5182, 5106..5201, 5285..5467, 5294..5467, 5296..5475, 5687..5806, 5704..5727, 5734..5808, 5736..5825, 5737..5826, 5751..5825		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o3.tc	Method	TBLASTX:Cress
Start	7130	End	7367
GI	none	Score	246
Exons	7130..7366, 7131..7367		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	7137	End	10950
GI	none	Score	274
Exons	7137..7361, 7151..7366, 7161..7367, 8021..8269, 8023..8268,		

8023..8271, 8031..8276, 8931..9299, 8932..9300, 8932..9303,
 9383..9673, 9384..9740, 9385..9741, 9408..9728, 9752..9787,
 9753..9785, 10836..10865, 10879..10944, 10885..10950

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	7218	End	9732
GI	none	Score	138
Exons	7218..7346, 7220..7345, 7316..7366, 7317..7367, 8008..8118, 8018..8128, 8020..8271, 8021..8269, 8031..8276, 8928..9311, 8938..9300, 9388..9732, 9408..9728, 9409..9732		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o2.tc	Method	TBLASTX:Cress
Start	8023	End	9026
GI	none	Score	231
Exons	8023..8268, 8031..8276, 8928..9026, 8932..9024		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	9027	End	9791
GI	none	Score	132
Exons	9027..9077, 9073..9246, 9093..9296, 9355..9507, 9408..9515, 9507..9632, 9522..9635, 9726..9791		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	9180	End	9663
GI	none	Score	75
Exons	9180..9230, 9226..9303, 9228..9314, 9388..9663, 9406..9483, 9408..9656		

Seq. No.	6920	Seq. ID	OJ990421_31.9924.C14
Gene No.	14534	Strand	-
Start	12143	End	14263
Name	OJ990421_31.9924.C14.o4.gs	Method	GENSCAN
Start	12143	End	14263
GI	none	Score	.55
Exons	12143..12233, 13336..13468, 14224..14263		

Seq. No.	6921	Seq. ID	OJ990421_31.9924.C15
Gene No.	14535	Strand	+
Start	4420	End	5806
Name	OJ990421_31.9924.C15.o1.gs	Method	GENSCAN
Start	4420	End	5440
GI	none	Score	.64
Exons	4420..4727, 4814..4895, 4916..5440		

Seq. No.	6921	Seq. ID	OJ990421_31.9924.C15
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Gene No.	14535	Strand	+
Start	4420	End	5806
Name	OJ990421_31.9924.C15.ol.tm	Method	TBLASTX:Maize
Start	4507	End	5152
GI	none	Score	59
Exons	4507..4566, 4567..4638, 4642..4719, 4802..4903, 4815..4904, 4976..5059, 5069..5152		
Seq. No.	6921	Seq. ID	OJ990421_31.9924.C15
Gene No.	14535	Strand	+
Start	4420	End	5806
Name	OJ990421_31.9924.C15.ol.np	Method	AAT/NAP
Start	4624	End	5806
GI	6598808	Score	508
Exons	4624..4786, 4814..5806		
GI Descrip.	(AF024504) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		
Seq. No.	6921	Seq. ID	OJ990421_31.9924.C15
Gene No.	14535	Strand	+
Start	4420	End	5806
Name	OJ990421_31.9924.C15.ol.ts	Method	TBLASTX:Soybean
Start	4803	End	5436
GI	none	Score	133
Exons	4803..4907, 4805..4915, 5009..5143, 5191..5319, 5192..5332, 5320..5436, 5327..5419		
Seq. No.	6921	Seq. ID	OJ990421_31.9924.C15
Gene No.	14535	Strand	+
Start	4420	End	5806
Name	OJ990421_31.9924.C15.ol.tc	Method	TBLASTX:Cress
Start	4830	End	5152
GI	none	Score	114
Exons	4830..4907, 4838..4915, 4838..4924, 4964..5152		
Seq. No.	6922	Seq. ID	OJ990421_31.9924.C16
Gene No.	14536	Strand	-
Start	1	End	636
Name	OJ990421_31.9924.C16.ol.np	Method	AAT/NAP
Start	1	End	636
GI	4467124	Score	389
Exons	1..253, 341..636		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6922	Seq. ID	OJ990421_31.9924.C16
Gene No.	14536	Strand	-
Start	1	End	636
Name	OJ990421_31.9924.C16.ol.ts	Method	TBLASTX:Soybean
Start	6	End	587
GI	none	Score	104
Exons	6..254, 342..587, 369..551		
Seq. No.	6922	Seq. ID	OJ990421_31.9924.C16
Gene No.	14536	Strand	-
Start	1	End	636
Name	OJ990421_31.9924.C16.ol.tw	Method	TBLASTX:Wheat
Start	6	End	416

GI none
Exons 6..266, 40..240, 342..416

Score 118

Seq. No. 6922
Gene No. 14536
Start 1
Name OJ990421_31.9924.C16.o1.gs
Start 61
GI none
Exons 61..253, 341..564

Seq. ID OJ990421_31.9924.C16
Strand -
End 636
Method GENSCAN
End 564
Score .58

Seq. No. 6922
Gene No. 14536
Start 1
Name OJ990421_31.9924.C16.o1.tm
Start 141
GI none
Exons 141..308, 342..635, 363..542

Seq. ID OJ990421_31.9924.C16
Strand -
End 636
Method TBLASTX:Maize
End 635
Score 109

Seq. No. 6922
Gene No. 14536
Start 1
Name OJ990421_31.9924.C16.o1.tc
Start 342
GI none
Exons 342..596, 342..635

Seq. ID OJ990421_31.9924.C16
Strand -
End 636
Method TBLASTX:Cress
End 635
Score 74

Seq. No. 6923
Gene No. 14537
Start 1
Name OJ990421_31.9924.C19.o1.np
Start 1
GI 6907086
Exons 1..338, 396..433
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990421_31.9924.C19
Strand +
End 433
Method AAT/NAP
End 433
Score 414

Seq. No. 6923
Gene No. 14538
Start 135
Name OJ990421_31.9924.C19.o1.gs
Start 135
GI none
Exons 135..284

Seq. ID OJ990421_31.9924.C19
Strand -
End 284
Method GENSCAN
End 284
Score .41

Seq. No. 6924
Gene No. 14539
Start 1
Name OJ990421_31.9924.C20.o1.np
Start 1
GI 5441880
Exons 1..188, 304..538
GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. ID OJ990421_31.9924.C20
Strand +
End 538
Method AAT/NAP
End 538
Score 571

Seq. No. 6924
Gene No. 14539

Seq. ID OJ990421_31.9924.C20
Strand +

Start	1	End	538
Name	OJ990421_31.9924.C20.o1.gs	Method	GENSCAN
Start	57	End	506
GI	none	Score	.82
Exons	57..188, 252..299, 304..506		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o1.gs	Method	GENSCAN
Start	234	End	1162
GI	none	Score	.69
Exons	234..414, 612..1162		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o2.tm	Method	TBLASTX:Maize
Start	682	End	888
GI	none	Score	60
Exons	682..777, 682..789, 716..790, 719..799, 720..800, 778..888, 783..887, 784..888		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	695	End	1251
GI	none	Score	73
Exons	695..778, 712..783, 784..864, 796..864, 838..936, 853..945, 854..943, 875..1096, 975..1007, 992..1243, 1003..1251, 1003..1242, 1040..1243		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o1.np	Method	AAT/NAP
Start	719	End	1270
GI	4581120	Score	470
Exons	719..955, 983..1270		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o1.tc	Method	TBLASTX:Cress
Start	878	End	1228
GI	none	Score	67
Exons	878..937, 942..1073, 968..1228, 1006..1119		

Seq. No.	6925	Seq. ID	OJ990421_31.9924.C21
Gene No.	14540	Strand	+
Start	234	End	1270
Name	OJ990421_31.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	892	End	1210
GI	none	Score	59
Exons	892..936, 901..936, 905..943, 905..943, 977..1060, 995..1210,		

1000..1188, 1025..1207

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14541	Strand	+
Start	180	End	3305
Name	OJ990501_31.9917.C1.o1.gs	Method	GENSCAN
Start	180	End	3305
GI	none	Score	.56
Exons	180..602, 1637..1804, 1888..1927, 2030..2141, 2214..2283, 2907..3305		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14542	Strand	+
Start	4084	End	4796
Name	OJ990501_31.9917.C1.o1.gp	Method	AAT/GAP
Start	4084	End	4796
GI	4219_1.R1084	Score	1131
Exons	4084..4796		
GI Descrip.	'4490321/emb CAB38705.1 2.0e-09 (AJ011604) nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o2.gs	Method	GENSCAN
Start	4354	End	5853
GI	none	Score	1
Exons	4354..5853		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o2.np	Method	AAT/NAP
Start	4363	End	5872
GI	2760834	Score	1494
Exons	4363..5872		
GI Descrip.	(AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o1.tc	Method	TBLASTX:Cress
Start	4432	End	5872
GI	none	Score	242
Exons	4432..4536, 4541..4750, 4621..4806, 4756..4998, 4844..4981, 4984..5139, 4988..5137, 5263..5334, 5311..5685, 5315..5464, 5585..5686, 5701..5871, 5702..5872		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o1.tm	Method	TBLASTX:Maize
Start	4432	End	5140
GI	none	Score	187
Exons	4432..4536, 4553..4753, 4604..4639, 4621..4761, 4768..4887, 4871..5140, 4873..5139		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o1.ts	Method	TBLASTX:Soybean
Start	4492	End	5245
GI	none	Score	228
Exons	4492..4536, 4550..4741, 4621..4740, 4630..4743, 4747..4980, 4844..4981, 4984..5139, 4988..5140, 5213..5245		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o2.gp	Method	AAT/GAP
Start	4724	End	5213
GI	LIB3431-054-P1-K1-F11	Score	918
Exons	4724..5213		
GI Descrip.	'2760834/gb AAB95302.1 2.0e-41 (AC003105) putative nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o2.tm	Method	TBLASTX:Maize
Start	5176	End	5688
GI	none	Score	289
Exons	5176..5247, 5305..5688		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o2.ts	Method	TBLASTX:Soybean
Start	5470	End	5872
GI	none	Score	96
Exons	5470..5715, 5585..5647, 5698..5871, 5699..5872		

Seq. No.	6926	Seq. ID	OJ990501_31.9917.C1
Gene No.	14543	Strand	-
Start	4354	End	5872
Name	OJ990501_31.9917.C1.o3.gp	Method	AAT/GAP
Start	5720	End	5872
GI	3761683	Score	268
Exons	5720..5872		
GI Descrip.	2760834/gb AAB95302.1 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14544	Strand	+
Start	9015	End	15280
Name	OJ990501_31.9917.C2.o2.gs	Method	GENSCAN
Start	9015	End	15280
GI	none	Score	.51
Exons	9015..9032, 11195..11247, 12559..12733, 14686..14790, 15182..15280		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14545	Strand	-
Start	1	End	394

Name	OJ990501_31.9917.C2.o1.gp	Method	AAT/GAP
Start	1	End	394
GI	3761683	Score	313
Exons	1..120, 306..394		
GI Descrip.	2760834/gb AAB95302.1 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14546	Strand	-
Start	4176	End	4616
Name	OJ990501_31.9917.C2.o1.np	Method	AAT/NAP
Start	4176	End	4616
GI	1085679	Score	257
Exons	4176..4616		
GI Descrip.	calmodulin - Macrocystis pyrifera gi 728609 emb CAA59418 (X85091) calmodulin [Macrocystis pyrifera]		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14546	Strand	-
Start	4176	End	4616
Name	OJ990501_31.9917.C2.o1.tm	Method	TBLASTX:Maize
Start	4194	End	4556
GI	none	Score	35
Exons	4194..4235, 4197..4229, 4215..4274, 4221..4274, 4282..4329, 4283..4366, 4327..4392, 4328..4396, 4448..4555, 4449..4556, 4462..4527		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14546	Strand	-
Start	4176	End	4616
Name	OJ990501_31.9917.C2.o1.tw	Method	TBLASTX:Wheat
Start	4194	End	4556
GI	none	Score	42
Exons	4194..4238, 4194..4235, 4221..4274, 4282..4329, 4283..4366, 4327..4392, 4328..4393, 4448..4555, 4449..4556		

Seq. No.	6927	Seq. ID	OJ990501_31.9917.C2
Gene No.	14546	Strand	-
Start	4176	End	4616
Name	OJ990501_31.9917.C2.o1.ts	Method	TBLASTX:Soybean
Start	4194	End	4556
GI	none	Score	35
Exons	4194..4235, 4220..4276, 4221..4274, 4282..4329, 4327..4392, 4328..4396, 4448..4555, 4452..4556		

Seq. No.	6928	Seq. ID	OJ990501_31.9917.C3
Gene No.	14547	Strand	+
Start	476	End	572
Name	OJ990501_31.9917.C3.o1.np	Method	AAT/NAP
Start	476	End	572
GI	2498930	Score	51
Exons	476..572		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6928	Seq. ID	OJ990501_31.9917.C3
Gene No.	14548	Strand	+

Start	480	End	539
Name	OJ990501_31.9917.C3.o1.gs	Method	GENSCAN
Start	480	End	539
GI	none	Score	.95
Exons	480..539		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14549	Strand	-
Start	1146	End	3859
Name	OJ990501_31.9917.C4.o1.gs	Method	GENSCAN
Start	1146	End	3859
GI	none	Score	.87
Exons	1146..1164, 1245..1331, 1419..1498, 1578..1748, 1914..2094, 2169..2329, 2416..2536, 3166..3268, 3363..3636, 3716..3859		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o1.tm	Method	TBLASTX:Maize
Start	1851	End	2853
GI	none	Score	84
Exons	1851..1967, 1852..1995, 1971..2096, 1972..2097, 2168..2275, 2291..2323, 2416..2466, 2619..2702, 2627..2695, 2800..2853, 2800..2853		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o3.tm	Method	TBLASTX:Maize
Start	3475	End	3860
GI	none	Score	77
Exons	3475..3612, 3475..3621, 3698..3859, 3699..3860		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o2.np	Method	AAT/NAP
Start	4158	End	4721
GI	6970289	Score	439
Exons	4158..4721		
GI Descrip.	(AC021666) hypothetical protein, 5' partial [Arabidopsis thaliana]		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o1.ts	Method	TBLASTX:Soybean
Start	4233	End	4415
GI	none	Score	85
Exons	4233..4415, 4234..4413, 4269..4415		

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o2.tm	Method	TBLASTX:Maize
Start	4341	End	4659
GI	none	Score	51

Exons 4341..4415, 4342..4419, 4434..4658, 4441..4659

Seq. No.	6929	Seq. ID	OJ990501_31.9917.C4
Gene No.	14550	Strand	-
Start	4158	End	4721
Name	OJ990501_31.9917.C4.o1.tc	Method	TBLASTX:Cress
Start	4407	End	4662
GI	none	Score	83
Exons	4407..4655, 4459..4662		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14551	Strand	+
Start	5945	End	9167
Name	OJ990501_31.9917.C5.o2.gs	Method	GENSCAN
Start	5945	End	9167
GI	none	Score	.43
Exons	5945..6097, 8691..9167		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14552	Strand	+
Start	10013	End	10397
Name	OJ990501_31.9917.C5.o1.gp	Method	AAT/GAP
Start	10013	End	10397
GI	uC-osflcyp033a04b1	Score	678
Exons	10013..10397		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14553	Strand	+
Start	11775	End	12878
Name	OJ990501_31.9917.C5.o4.gs	Method	GENSCAN
Start	11775	End	12878
GI	none	Score	.81
Exons	11775..12878		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o1.np	Method	AAT/NAP
Start	1	End	3220
GI	4585985	Score	1662
Exons	1..220, 455..1797, 1875..2354, 2586..3109, 3141..3220		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o3.tm	Method	TBLASTX:Maize
Start	215	End	670
GI	none	Score	103
Exons	215..430, 216..356, 461..628, 602..670		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o1.gs	Method	GENSCAN

Start	268	End	4538
GI	none	Score	.7
Exons	268..1728, 2595..2981, 3120..3263, 3338..3400, 3726..3905, 4358..4538		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o2.np	Method	AAT/NAP
Start	1508	End	14820
GI	5852180	Score	580
Exons	1508..1536, 7918..7971, 8678..9085, 9137..9255, 10246..10308, 14735..14820		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o2.tm	Method	TBLASTX:Maize
Start	1733	End	2128
GI	none	Score	51
Exons	1733..1798, 1739..1798, 1876..1998, 1877..1993, 1994..2128, 1999..2124, 2012..2128		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o1.tw	Method	TBLASTX:Wheat
Start	1895	End	2286
GI	none	Score	70
Exons	1895..2011, 1909..1986, 1985..2224, 2011..2286, 2020..2274		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o1.tm	Method	TBLASTX:Maize
Start	2131	End	2937
GI	none	Score	59
Exons	2131..2400, 2425..2778, 2426..2512, 2579..2770, 2782..2871, 2881..2937		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o3.gs	Method	GENSCAN
Start	9438	End	10809
GI	none	Score	.61
Exons	9438..9531, 9914..10086, 10759..10809		

Seq. No.	6930	Seq. ID	OJ990501_31.9917.C5
Gene No.	14554	Strand	-
Start	1	End	14820
Name	OJ990501_31.9917.C5.o5.gs	Method	GENSCAN
Start	14615	End	14793
GI	none	Score	.91
Exons	14615..14793		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14555	Strand	+
Start	24416	End	27658
Name	OJ990501_31.9917.C6.o3.np	Method	AAT/NAP
Start	24416	End	27655
GI	5803259	Score	4277
Exons	24416..25677, 25777..27655		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14555	Strand	+
Start	24416	End	27658
Name	OJ990501_31.9917.C6.o5.gs	Method	GENSCAN
Start	24416	End	27658
GI	none	Score	.88
Exons	24416..27658		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14556	Strand	+
Start	34522	End	34963
Name	OJ990501_31.9917.C6.o5.np	Method	AAT/NAP
Start	34522	End	34963
GI	5922623	Score	88
Exons	34522..34602, 34940..34963		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14557	Strand	-
Start	6665	End	11248
Name	OJ990501_31.9917.C6.o1.gp	Method	AAT/GAP
Start	6665	End	9798
GI	none	Score	909
Exons	6665..7014, 9658..9798		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14557	Strand	-
Start	6665	End	11248
Name	OJ990501_31.9917.C6.o2.gs	Method	GENSCAN
Start	9676	End	10818
GI	none	Score	.97
Exons	9676..10818		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14557	Strand	-
Start	6665	End	11248
Name	OJ990501_31.9917.C6.o1.np	Method	AAT/NAP
Start	9679	End	10818
GI	6735313	Score	928
Exons	9679..10583, 10626..10818		
GI Descrip.	(AL137080) dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14557	Strand	-
Start	6665	End	11248
Name	OJ990501_31.9917.C6.o2.gp	Method	AAT/GAP

Start	10632	End	11248
GI	36775_1.R1084	Score	862
Exons	10632..10934, 11055..11248		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone: t17804'		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14558	Strand	-
Start	19651	End	19950
Name	OJ990501_31.9917.C6.o3.gp	Method	AAT/GAP
Start	19651	End	19950
GI	61605_3.R1084	Score	429
Exons	19651..19950		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14559	Strand	-
Start	20315	End	24127
Name	OJ990501_31.9917.C6.o2.np	Method	AAT/NAP
Start	20315	End	24127
GI	6063554	Score	514
Exons	20315..20489, 21124..21151, 21470..21691, 21809..22088, 24108..24127		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14559	Strand	-
Start	20315	End	24127
Name	OJ990501_31.9917.C6.o4.gp	Method	AAT/GAP
Start	20922	End	21658
GI	101153_1.R1084	Score	661
Exons	20922..21151, 21470..21658		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone: t17804'		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14559	Strand	-
Start	20315	End	24127
Name	OJ990501_31.9917.C6.o4.gs	Method	GENSCAN
Start	22588	End	23254
GI	none	Score	.45
Exons	22588..22596, 22766..22923, 23164..23254		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14560	Strand	-
Start	28290	End	34445
Name	OJ990501_31.9917.C6.o6.gs	Method	GENSCAN
Start	28290	End	31955
GI	none	Score	.99
Exons	28290..31955		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14560	Strand	-
Start	28290	End	34445

Name	OJ990501_31.9917.C6.o4.np	Method	AAT/NAP
Start	28293	End	33939
GI	6498441	Score	6770
Exons	28293..28574, 28668..30065, 30237..30604, 30797..31152, 31327..31461, 31645..32018, 32082..32545, 32876..33939		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14560	Strand	-
Start	28290	End	34445
Name	OJ990501_31.9917.C6.o7.gs	Method	GENSCAN
Start	32019	End	34445
GI	none	Score	.92
Exons	32019..34445		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o1.tm	Method	TBLASTX:Maize
Start	6707	End	10488
GI	none	Score	55
Exons	6707..6787, 6735..6785, 6741..6800, 6743..6796, 6882..6956, 6883..6957, 6883..6972, 6899..6979, 9669..9941, 9670..9942, 9671..10063, 9676..9957, 9947..10063, 10015..10215, 10051..10146, 10053..10202, 10198..10488, 10203..10265, 10223..10483		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o1.ts	Method	TBLASTX:Soybean
Start	9658	End	10443
GI	none	Score	230
Exons	9658..9957, 9677..10039, 10021..10131, 10103..10132, 10123..10443, 10128..10253, 10223..10420		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o1.tc	Method	TBLASTX:Cress
Start	9662	End	10386
GI	none	Score	69
Exons	9662..9793, 9667..9792, 9850..9924, 9928..9957, 9929..10024, 10084..10386, 10128..10181, 10226..10372		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o5.tm	Method	TBLASTX:Maize
Start	28263	End	28433
GI	none	Score	125
Exons	28263..28433, 28264..28428		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-

Start	34675	End	34730
Name	OJ990501_31.9917.C6.o7.tw	Method	TBLASTX:Wheat
Start	28302	End	28904
GI	none	Score	83
Exons	28302..28427, 28306..28428, 28620..28904, 28621..28899		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o4.tw	Method	TBLASTX:Wheat
Start	28905	End	29286
GI	none	Score	172
Exons	28905..29285, 28936..29184, 29230..29286		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o3.tm	Method	TBLASTX:Maize
Start	29100	End	29423
GI	none	Score	192
Exons	29100..29423, 29113..29394		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o8.tw	Method	TBLASTX:Wheat
Start	29616	End	29928
GI	none	Score	68
Exons	29616..29876, 29752..29928		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o3.ts	Method	TBLASTX:Soybean
Start	29676	End	30242
GI	5666795	Score	68
Exons	29676..29876, 29931..30068, 30144..30242		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o5.tw	Method	TBLASTX:Wheat
Start	29931	End	30389
GI	none	Score	92
Exons	29931..30071, 29932..30069, 30127..30300, 30141..30389, 30141..30365		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o2.ts	Method	TBLASTX:Soybean
Start	30990	End	31361
GI	none	Score	90
Exons	30990..31361, 31201..31344		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
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Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o2.tw
 Start 31015
 GI none
 Exons 31015..31434, 31020..31439

Strand -
 End 34730
 Method TBLASTX:Wheat
 End 31439
 Score 328

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o4.tm
 Start 31113
 GI none
 Exons 31113..31496, 31132..31497

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Maize
 End 31497
 Score 221

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o2.tm
 Start 31524
 GI none
 Exons 31524..31829, 31524..31880, 31534..31845

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Maize
 End 31880
 Score 116

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o1.tw
 Start 31548
 GI none
 Exons 31548..32009, 31549..32010

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Wheat
 End 32010
 Score 400

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o4.ts
 Start 31605
 GI none
 Exons 31605..31739, 31746..31970

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Soybean
 End 31970
 Score 117

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o3.tw
 Start 32175
 GI none
 Exons 32175..32660, 32179..32466, 32488..32661

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Wheat
 End 32661
 Score 172

Seq. No. 6931
 Gene No. 14561
 Start 34675
 Name OJ990501_31.9917.C6.o6.tw
 Start 33399
 GI none
 Exons 33399..33656, 33433..33672, 33639..33737, 33640..33720, 33744..33791

Seq. ID OJ990501_31.9917.C6
 Strand -
 End 34730
 Method TBLASTX:Wheat
 End 33791
 Score 89

Seq. No. 6931

Seq. ID OJ990501_31.9917.C6

Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o6.tm	Method	TBLASTX:Maize
Start	33501	End	33786
GI	none	Score	103
Exons	33501..33749, 33502..33786		

Seq. No.	6931	Seq. ID	OJ990501_31.9917.C6
Gene No.	14561	Strand	-
Start	34675	End	34730
Name	OJ990501_31.9917.C6.o6.np	Method	AAT/NAP
Start	34675	End	34730
GI	5042454	Score	77
Exons	34675..34730		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14562	Strand	+
Start	1	End	1517
Name	OJ990501_31.9917.C7.o1.np	Method	AAT/NAP
Start	1	End	1349
GI	5922623	Score	147
Exons	1..59, 228..303, 1285..1349		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14562	Strand	+
Start	1	End	1517
Name	OJ990501_31.9917.C7.o2.np	Method	AAT/NAP
Start	1	End	1517
GI	5922623	Score	154
Exons	1..59, 228..303, 1480..1517		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14562	Strand	+
Start	1	End	1517
Name	OJ990501_31.9917.C7.o3.np	Method	AAT/NAP
Start	1	End	1078
GI	6063554	Score	88
Exons	1..49, 906..1078		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14563	Strand	+
Start	7894	End	9745
Name	OJ990501_31.9917.C7.o4.np	Method	AAT/NAP
Start	7894	End	9642
GI	5103837	Score	588
Exons	7894..8070, 8657..8860, 9033..9122, 9234..9301, 9405..9642		
GI Descrip.	(AC007591) Similar to gi 4377403 Polypeptide Deformylase from		

Chlamydia pneumoniae genome gb|AE001687. [Arabidopsis thaliana]

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14563	Strand	+
Start	7894	End	9745
Name	OJ990501_31.9917.C7.o2.gp	Method	AAT/GAP
Start	8586	End	9176
GI	uC-osflcyp154h05b1	Score	668
Exons	8586..8860, 9033..9176		
GI Descrip.	'5103837/gb AAD39667.1 AC007591_32 4.0e-32 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb_AE001687. [Arabidopsis thaliana]'		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14563	Strand	+
Start	7894	End	9745
Name	OJ990501_31.9917.C7.o3.gp	Method	AAT/GAP
Start	9249	End	9745
GI	uC-osflcyp154h05a1	Score	622
Exons	9249..9301, 9410..9745		
GI Descrip.	'5103837/gb AAD39667.1 AC007591_32 4.0e-19 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb_AE001687. [Arabidopsis thaliana]'		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14564	Strand	+
Start	12046	End	13583
Name	OJ990501_31.9917.C7.o4.gp	Method	AAT/GAP
Start	12046	End	12562
GI	67948_1.R1084	Score	954
Exons	12046..12562		
GI Descrip.	'3269297/emb CAA19730.1 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14564	Strand	+
Start	12046	End	13583
Name	OJ990501_31.9917.C7.o3.gs	Method	GENSCAN
Start	12317	End	13323
GI	none	Score	.98
Exons	12317..12796, 13162..13323		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14564	Strand	+
Start	12046	End	13583
Name	OJ990501_31.9917.C7.o5.np	Method	AAT/NAP
Start	12677	End	13299
GI	5305395	Score	144
Exons	12677..12796, 13162..13299		
GI Descrip.	(AF072331) dynein light chain 5 [Schistosoma japonicum]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14564	Strand	+
Start	12046	End	13583
Name	OJ990501_31.9917.C7.o5.gp	Method	AAT/GAP
Start	13138	End	13583
GI	3766591	Score	758

Exons 13138..13583
 GI Descrip. 3269297/emb|CAA19730.1| 4.0e-13 (AL030978) putative protein
 [Arabidopsis thaliana]

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14565	Strand	+
Start	15761	End	15860
Name	OJ990501_31.9917.C7.o6.np	Method	AAT/NAP
Start	15761	End	15860
GI	6815109	Score	76
Exons	15761..15860		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14566	Strand	-
Start	10691	End	11901
Name	OJ990501_31.9917.C7.o2.gs	Method	GENSCAN
Start	10691	End	11901
GI	none	Score	.72
Exons	10691..10708, 10995..11080, 11751..11901		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o1.tm	Method	TBLASTX:Maize
Start	8671	End	9269
GI	none	Score	290
Exons	8671..8865, 8672..8863, 9031..9123, 9032..9121, 9032..9133, 9033..9125, 9234..9269		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o1.ts	Method	TBLASTX:Soybean
Start	8680	End	9299
GI	none	Score	236
Exons	8680..8865, 8681..8863, 9032..9127, 9033..9125, 9234..9299		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o2.tc	Method	TBLASTX:Cress
Start	8689	End	9089
GI	none	Score	201
Exons	8689..8865, 8690..8863, 9033..9089		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o2.ts	Method	TBLASTX:Soybean
Start	9477	End	9645
GI	none	Score	212
Exons	9477..9626, 9478..9645, 9481..9630		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507

Name	OJ990501_31.9917.C7.o2.tm	Method	TBLASTX:Maize
Start	12311	End	12643
GI	none	Score	48
Exons	12311..12337, 12313..12342, 12337..12411, 12338..12412, 12449..12499, 12455..12490, 12511..12573, 12518..12574, 12590..12643		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o3.tm	Method	TBLASTX:Maize
Start	13140	End	13299
GI	none	Score	192
Exons	13140..13268, 13141..13299, 13177..13293		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o3.ts	Method	TBLASTX:Soybean
Start	13153	End	13299
GI	4302625	Score	193
Exons	13153..13299, 13158..13292		
GI Descrip.	2811014/sp_O02414_DYL1_ANTCR 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o1.tc	Method	TBLASTX:Cress
Start	13156	End	13322
GI	none	Score	214
Exons	13156..13302, 13160..13264, 13161..13322, 13161..13256		

Seq. No.	6932	Seq. ID	OJ990501_31.9917.C7
Gene No.	14567	Strand	-
Start	18269	End	18507
Name	OJ990501_31.9917.C7.o6.gp	Method	AAT/GAP
Start	18269	End	18507
GI	17629_1.R1084	Score	415
Exons	18269..18507		
GI Descrip.	'3269297/emb CAA19730.1 4.0e-13 (AL030978). putative protein [Arabidopsis thaliana]'		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14568	Strand	+
Start	343	End	5455
Name	OJ990501_31.9917.C8.o1.gs	Method	GENSCAN
Start	343	End	5455
GI	none	Score	.71
Exons	343..410, 868..1099, 1195..1422, 2771..2895, 3113..3686, 4261..4511, 5125..5259, 5431..5455		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14568	Strand	+
Start	343	End	5455
Name	OJ990501_31.9917.C8.o1.gp	Method	AAT/GAP

Start	855	End	1048
GI	17629.1.R1084	Score	349
Exons	855..1048		
GI Descrip.	'3269297/emb CAA19730.1 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14568	Strand	+
Start	343	End	5455
Name	OJ990501_31.9917.C8.o2.gp	Method	AAT/GAP
Start	1009	End	1696
GI	none	Score	1056
Exons	1009..1099, 1195..1696		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14568	Strand	+
Start	343	End	5455
Name	OJ990501_31.9917.C8.o2.np	Method	AAT/NAP
Start	2541	End	4533
GI	5103839	Score	524
Exons	2541..2593, 3218..3686, 4261..4533		
GI Descrip.	(AC007591) Is a member of the PF 01177 Aspartate-glutamate racemase family. EST gb T43554 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14568	Strand	+
Start	343	End	5455
Name	OJ990501_31.9917.C8.o3.gp	Method	AAT/GAP
Start	4963	End	5397
GI	none	Score	793
Exons	4963..5397		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o1.tc	Method	TBLASTX:Cress
Start	862	End	1491
GI	none	Score	258
Exons	862..1080, 863..1084, 863..1084, 970..1104, 1192..1491, 1192..1410, 1197..1490		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o1.tw	Method	TBLASTX:Wheat
Start	862	End	1012
GI	none	Score	216
Exons	862..999, 863..1003, 863..1012		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o1.tm	Method	TBLASTX:Maize
Start	862	End	1497
GI	none	Score	327
Exons	862..1077, 863..1084, 863..1084, 865..1104, 1192..1497,		

1192..1491, 1194..1493

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o1.ts	Method	TBLASTX:Soybean
Start	862	End	1281
GI	none	Score	242
Exons	862..1080, 863..1084, 863..1084, 864..1100, 1192..1281, 1192..1275, 1197..1277		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o2.tc	Method	TBLASTX:Cress
Start	3588	End	4518
GI	none	Score	69
Exons	3588..3683, 4255..4518, 4258..4371, 4260..4517		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o3.np	Method	AAT/NAP
Start	6932	End	7941
GI	5803246	Score	273
Exons	6932..7013, 7619..7941		
GI Descrip.	(AP000399) ESTs AU077984(C62969), D41648(S4289), AU063584(C62969) correspond to a region of the predicted gene; similar to putative Ser/Thr protein kinase (AC003105) [Oryza sativa]		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o2.ts	Method	TBLASTX:Soybean
Start	6950	End	7932
GI	none	Score	65
Exons	6950..7006, 7672..7791, 7693..7764, 7694..7765, 7771..7803, 7801..7932, 7838..7930		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o2.tm	Method	TBLASTX:Maize
Start	6962	End	7959
GI	none	Score	318
Exons	6962..7006, 7672..7959, 7673..7924		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14569	Strand	-
Start	6932	End	7959
Name	OJ990501_31.9917.C8.o3.tc	Method	TBLASTX:Cress
Start	7678	End	7932
GI	none	Score	51
Exons	7678..7764, 7694..7765, 7705..7791, 7771..7803, 7837..7932, 7838..7930		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
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Gene No.	14570	Strand	
Start	10296	End	10783
Name	OJ990501_31.9917.C8.o3.tm	Method	TBLASTX:Maize
Start	10296	End	10774
GI	none	Score	64
Exons	10296..10391, 10313..10384, 10385..10432, 10439..10597, 10442..10564, 10676..10774		

Seq. No.	6933	Seq. ID	OJ990501_31.9917.C8
Gene No.	14570	Strand	
Start	10296	End	10783
Name	OJ990501_31.9917.C8.o2.tw	Method	TBLASTX:Wheat
Start	10490	End	10783
GI	none	Score	81
Exons	10490..10597, 10588..10776, 10589..10783		

Seq. No.	6934	Seq. ID	OJ990501_31.9917.C9
Gene No.	14571	Strand	+
Start	1979	End	2141
Name	OJ990501_31.9917.C9.o1.gp	Method	AAT/GAP
Start	1979	End	2141
GI	uC-osflcyp154c08a1.	Score	272
Exons	1979..2141		
GI Descrip.	'5701799/emb CAB52175.1 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		

Seq. No.	6934	Seq. ID	OJ990501_31.9917.C9
Gene No.	14572	Strand	-
Start	3744	End	4680
Name	OJ990501_31.9917.C9.o1.gs	Method	GENSCAN
Start	3744	End	4680
GI	none	Score	.8
Exons	3744..3818, 4627..4680		

Seq. No.	6935	Seq. ID	OJ990501_30.9919.C1
Gene No.	14573	Strand	+
Start	240	End	529
Name	OJ990501_30.9919.C1.o1.np	Method	AAT/NAP
Start	240	End	529
GI	4914442	Score	115
Exons	240..529		
GI Descrip.	(AL050351) putative protein [Arabidopsis thaliana]		

Seq. No.	6935	Seq. ID	OJ990501_30.9919.C1
Gene No.	14573	Strand	+
Start	240	End	529
Name	OJ990501_30.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	242	End	510
GI	none	Score	49
Exons	242..295, 260..346, 362..502, 373..510, 453..506		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14574	Strand	+
Start	195	End	515
Name	OJ990501_30.9919.C2.o1.gs	Method	GENSCAN
Start	195	End	515
GI	none	Score	.75

Exons 195..515

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14575	Strand	+
Start	5977	End	9960
Name	OJ990501_30.9919.C2.o1.np	Method	AAT/NAP
Start	5977	End	9960
GI	6729489	Score	737
Exons	5977..6030, 6804..8134, 8233..8811, 9872..9960		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14575	Strand	+
Start	5977	End	9960
Name	OJ990501_30.9919.C2.o4.gs	Method	GENSCAN
Start	6708	End	8931
GI	none	Score	.98
Exons	6708..8134, 8380..8697, 8820..8931		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14576	Strand	+
Start	10812	End	15636
Name	OJ990501_30.9919.C2.o2.np	Method	AAT/NAP
Start	10812	End	15601
GI	2827715	Score	268
Exons	10812..10901, 14453..14622, 14720..15261, 15507..15601		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14576	Strand	+
Start	10812	End	15636
Name	OJ990501_30.9919.C2.o3.np	Method	AAT/NAP
Start	14413	End	15636
GI	6729489	Score	501
Exons	14413..14622, 14720..15244, 15451..15636		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14577	Strand	-
Start	742	End	2397
Name	OJ990501_30.9919.C2.o2.gs	Method	GENSCAN
Start	742	End	2397
GI	none	Score	.64
Exons	742..916, 1022..1363, 1433..1617, 1720..1787, 1827..2126, 2163..2397		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14578	Strand	-
Start	2560	End	3195
Name	OJ990501_30.9919.C2.o3.tw	Method	TBLASTX:Wheat
Start	1273	End	1650
GI	none	Score	62
Exons	1273..1428, 1274..1429, 1510..1650		

Seq. No. 6936
 Gene No. 14578
 Start 2560
 Name OJ990501_30.9919.C2.o2.tc
 Start 2434
 GI none
 Exons 2434..2742

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 3195
 Method TBLASTX:Cress
 End 2742
 Score 183

Seq. No. 6936
 Gene No. 14578
 Start 2560
 Name OJ990501_30.9919.C2.o3.ts
 Start 2479
 GI none
 Exons 2479..2754, 2785..2889

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 3195
 Method TBLASTX:Soybean
 End 2889
 Score 70

Seq. No. 6936
 Gene No. 14578
 Start 2560
 Name OJ990501_30.9919.C2.o1.tw
 Start 2542
 GI none
 Exons 2542..2754, 2773..2889

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 3195
 Method TBLASTX:Wheat
 End 2889
 Score 105

Seq. No. 6936
 Gene No. 14578
 Start 2560
 Name OJ990501_30.9919.C2.o3.gs
 Start 2560
 GI none
 Exons 2560..3195

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 3195
 Method GENSCAN
 End 3195
 Score .9

Seq. No. 6936
 Gene No. 14579
 Start 6681
 Name OJ990501_30.9919.C2.o2.ts
 Start 6681
 GI none
 Exons 6681..6836, 6848..6889, 6921..7076, 6938..7075, 7167..7223, 7175..7264, 7236..7283, 7404..7484

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 7484
 Method TBLASTX:Soybean
 End 7484
 Score 54

Seq. No. 6936
 Gene No. 14579
 Start 6681
 Name OJ990501_30.9919.C2.o3.tm
 Start 6863
 GI none
 Exons 6863..7129, 6927..7175, 6945..7175, 7045..7176

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 7484
 Method TBLASTX:Maize
 End 7176
 Score 225

Seq. No. 6936
 Gene No. 14580
 Start 7758
 Name OJ990501_30.9919.C2.o1.tc
 Start 7758
 GI none
 Exons 7758..7961, 7944..8102, 8230..8388, 8231..8422, 8410..8541, 8414..8551, 8552..8737, 8573..8782, 14432..14590, 14717..14875,

Seq. ID OJ990501_30.9919.C2
 Strand -
 End 15278
 Method TBLASTX:Cress
 End 15260
 Score 109

14718..14909, 14897..15028, 14901..15038, 15060..15260

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14580	Strand	
Start	7758	End	15278
Name	OJ990501_30.9919.C2.o4.tm	Method	TBLASTX:Maize
Start	7794	End	14527
GI	none	Score	103
Exons	7794..7907, 7811..7906, 7941..8039, 7949..8038, 7990..8040, 14429..14527, 14437..14526		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14580	Strand	
Start	7758	End	15278
Name	OJ990501_30.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	7872	End	14990
GI	none	Score	53
Exons	7872..7928, 7944..8138, 8227..8388, 8228..8392, 8414..8503, 8414..8470, 14432..14638, 14714..14905, 14715..14879, 14901..14990, 14901..14957		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14580	Strand	
Start	7758	End	15278
Name	OJ990501_30.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	8040	End	15278
GI	none	Score	88
Exons	8040..8135, 8230..8391, 8231..8392, 8270..8392, 8414..8569, 8579..8812, 14528..14623, 14717..14884, 14718..14879, 14901..15056, 15066..15278, 15068..15220		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14580	Strand	
Start	7758	End	15278
Name	OJ990501_30.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	8230	End	15032
GI	none	Score	130
Exons	8230..8370, 8231..8380, 8413..8541, 8414..8545, 14717..14857, 14718..14867, 14900..15028, 14901..15032		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14580	Strand	
Start	7758	End	15278
Name	OJ990501_30.9919.C2.o5.tm	Method	TBLASTX:Maize
Start	11197	End	11346
GI	none	Score	162
Exons	11197..11346, 11199..11345		

Seq. No.	6936	Seq. ID	OJ990501_30.9919.C2
Gene No.	14581	Strand	
Start	17639	End	18595
Name	OJ990501_30.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	17639	End	18595
GI	none	Score	50
Exons	17639..17731, 17648..17737, 17661..17738, 17696..17764, 17769..17894, 17774..17911, 17781..17888, 17798..17884, 17803..17892, 17805..17894, 17806..17907, 17807..17887,		

17808..17951, 17810..17887, 17811..17918, 17921..18019,
 17921..18019, 17928..18083, 17928..18041, 17940..18041,
 17942..18016, 17943..18047, 17949..18032, 17950..18006,
 17950..18006, 18072..18194, 18082..18204, 18083..18211,
 18084..18242, 18089..18238, 18091..18204, 18092..18232,
 18092..18223, 18092..18256, 18096..18272, 18098..18250,
 18098..18247, 18118..18156, 18168..18278, 18185..18277,
 18239..18331, 18239..18331, 18266..18343, 18268..18432,
 18269..18412, 18272..18418, 18273..18419, 18275..18421,
 18278..18433, 18280..18441, 18280..18426, 18283..18423,
 18312..18422, 18312..18434, 18316..18423, 18322..18441,
 18328..18588, 18360..18398, 18474..18575, 18475..18576,
 18475..18588, 18481..18567, 18494..18595, 18495..18578

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.gs	Method	GENSCAN
Start	2527	End	18824
GI	none	Score	.51
Exons	2527..2535, 2786..4233, 4331..5109, 6077..6226, 6419..6660, 6911..7704, 8416..9398, 9525..9649, 9971..10158, 10989..11160, 11198..11401, 11455..11557, 13785..14026, 16419..16572, 17011..17083, 17551..18824		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.np	Method	AAT/NAP
Start	2892	End	5070
GI	6729489	Score	661
Exons	2892..4233, 4331..5070		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	3077	End	18325
GI	none	Score	120
Exons	3077..3229, 3112..3228, 3302..3376, 3316..3411, 3389..3430, 3548..3625, 17615..17938, 17656..17937, 18005..18082, 18022..18078, 18080..18142, 18179..18325		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	3086	End	18025
GI	none	Score	200
Exons	3086..3328, 3092..3328, 17773..18024, 17795..18025		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.tc	Method	TBLASTX:Cress

Start	3386	End	18835
GI	none	Score	57
Exons	3386..3436, 3464..3664, 3857..4042, 4043..4201, 4328..4435, 4329..4490, 4508..4639, 4512..4640, 4656..4856, 4673..4834, 18269..18370, 18542..18727, 18728..18835		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	3914	End	18811
GI	none	Score	82
Exons	3914..4000, 4040..4213, 4329..4481, 4524..4664, 4677..4859, 18584..18685, 18725..18811		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	3971	End	18835
GI	none	Score	54
Exons	3971..4027, 4043..4246, 4326..4490, 4328..4438, 4512..4601, 4528..4569, 18656..18712, 18728..18835		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o6.tw	Method	TBLASTX:Wheat
Start	4329	End	4643
GI	none	Score	144
Exons	4329..4481, 4512..4643, 4523..4639		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	6848	End	7234
GI	none	Score	350
Exons	6848..7234, 6859..7230, 6908..7231		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o2.np	Method	AAT/NAP
Start	6854	End	13644
GI	6539553	Score	6390
Exons	6854..10436, 13328..13644		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	6983	End	7296

GI	none	Score	340
Exons	6983..7294, 6989..7291, 7015..7296		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	7795	End	8116
GI	none	Score	259
Exons	7795..8049, 7802..8116, 7803..8114, 7822..8115		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o7.ts	Method	TBLASTX:Soybean
Start	8144	End	8530
GI	none	Score	88
Exons	8144..8299, 8282..8530		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o5.tw	Method	TBLASTX:Wheat
Start	8249	End	8587
GI	none	Score	261
Exons	8249..8587, 8381..8566		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	8318	End	8752
GI	none	Score	293
Exons	8318..8752, 8533..8727		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o5.ts	Method	TBLASTX:Soybean
Start	8540	End	8938
GI	none	Score	192
Exons	8540..8764, 8548..8718, 8555..8749, 8765..8938, 8773..8811		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	8588	End	9343
GI	none	Score	898
Exons	8588..9343, 8596..9075, 9095..9343		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	9263	End	9727
GI	5509260	Score	346

Exons 9263..9727, 9481..9582, 9664..9708
GI Descrip. -

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	9356	End	9616
GI	none	Score	269
Exons	9356..9616, 9358..9435		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	9398	End	9943
GI	none	Score	282
Exons	9398..9742, 9734..9943		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	9398	End	9844
GI	none	Score	327
Exons	9398..9844, 9533..9688, 9676..9759		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	9796	End	10123
GI	none	Score	283
Exons	9796..9996, 9797..10123		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	9952	End	10290
GI	none	Score	123
Exons	9952..10140, 9953..10123, 10014..10136, 10140..10289, 10141..10290		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	10146	End	13513
GI	none	Score	101
Exons	10146..10217, 10147..10221, 10148..10219, 10236..10430, 10236..10436, 10237..10437, 10237..10437, 13320..13475, 13325..13513, 13326..13478, 13373..13513		

Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835

Name	OJ990501_30.9919.C3.o6.ts	Method	TBLASTX:Soybean
Start	10153	End	10433
GI	none	Score	87
Exons	10153..10266, 10179..10259, 10285..10431, 10290..10433		
Seq. No.	6937	Seq. ID	OJ990501_30.9919.C3
Gene No.	14582	Strand	+
Start	2527	End	18835
Name	OJ990501_30.9919.C3.o3.np	Method	AAT/NAP
Start	17558	End	18436
GI	126151	Score	310
Exons	17558..18436		
GI Descrip.	LECTIN PRECURSOR (AGGLUTININ) (SBA) gi 282898 pir S27365 lectin precursor - soybean gi 170006 (K00821) lectin prepeptide [Glycine max]		
Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	696
GI	1418331	Score	405
Exons	1..71, 103..696		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		
Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	103	End	669
GI	none	Score	213
Exons	103..297, 115..279, 297..428, 301..429, 445..669		
Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	103	End	699
GI	none	Score	178
Exons	103..282, 159..281, 301..429, 312..440, 466..699, 466..651, 468..686		
Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	118	End	432
GI	none	Score	143
Exons	118..270, 312..428, 313..432		
Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.gs	Method	GENSCAN
Start	120	End	789
GI	none	Score	.57
Exons	120..789		

Seq. No.	6938	Seq. ID	OJ990501_30.9919.C4
Gene No.	14583	Strand	+
Start	1	End	789
Name	OJ990501_30.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	123	End	543
GI	none	Score	187
Exons	123..284, 127..294, 312..422, 313..423, 439..540, 466..543		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14584	Strand	+
Start	883	End	9889
Name	OJ990501_30.9919.C5.o1.gs	Method	GENSCAN
Start	883	End	9889
GI	none	Score	.62
Exons	883..903, 1113..1247, 3632..3826, 5114..5435, 5457..5559, 5916..5962, 6256..6794, 9092..9889		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o1.np	Method	AAT/NAP
Start	9831	End	14571
GI	4680179	Score	5632
Exons	9831..9876, 10153..11142, 11170..14571		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o2.gs	Method	GENSCAN
Start	10153	End	14574
GI	none	Score	.55
Exons	10153..11082, 11149..11248, 11297..14574		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o9.tw	Method	TBLASTX:Wheat
Start	10314	End	10512
GI	none	Score	189
Exons	10314..10511, 10324..10512, 10330..10512		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o6.tm	Method	TBLASTX:Maize
Start	10564	End	10869
GI	none	Score	237
Exons	10564..10869		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o7.tw	Method	TBLASTX:Wheat
Start	10564	End	10914
GI	none	Score	312

Exons 10564..10914

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o8.tw
Start 11248
GI none
Exons 11248..11601, 11338..11532

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Wheat
End 11601
Score 253

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o7.tm
Start 11605
GI none
Exons 11605..11796, 11643..11798

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Maize
End 11798
Score 188

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o4.tw
Start 11733
GI none
Exons 11733..12173, 11734..12216, 11770..12213

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Wheat
End 12216
Score 535

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o4.ts
Start 11770
GI none
Exons 11770..12084

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Soybean
End 12084
Score 198

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o4.tm
Start 11799
GI none
Exons 11799..12041, 11803..12246

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Maize
End 12246
Score 373

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o1.ts
Start 12157
GI none
Exons 12157..12189, 12157..12189, 12193..12246, 12195..12236, 12301..12552, 12309..12542

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Soybean
End 12552
Score 57

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o5.tm
Start 12301
GI none

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Maize
End 12633
Score 303

Exons 12301..12633, 12354..12632

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o5.tw
Start 12304
GI none
Exons 12304..12567, 12306..12566

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Wheat
End 12567
Score 367

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o3.tw
Start 12568
GI none
Exons 12568..12993, 12570..12986, 12643..12993

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Wheat
End 12993
Score 598

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o3.ts
Start 12574
GI none
Exons 12574..12822

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Soybean
End 12822
Score 207

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o2.tm
Start 12640
GI none
Exons 12640..12993, 12645..12986

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Maize
End 12993
Score 463

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o2.tw
Start 13021
GI none
Exons 13021..13560, 13203..13538

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Wheat
End 13560
Score 617

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o2.ts
Start 13348
GI none
Exons 13348..13608, 13359..13607

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Soybean
End 13608
Score 292

Seq. No. 6939
Gene No. 14585
Start 9831
Name OJ990501_30.9919.C5.o3.tm
Start 13406
GI none
Exons 13406..13693, 13407..13694, 13407..13694, 13408..13698

Seq. ID OJ990501_30.9919.C5
Strand +
End 14574
Method TBLASTX:Maize
End 13698
Score 156

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	13567	End	14193
GI	none	Score	709
Exons	13567..14193, 13623..14072, 14133..14192		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	13746	End	14331
GI	none	Score	225
Exons	13746..13901, 13747..13908, 13905..14069, 13906..14331, 14026..14310, 14133..14330		

Seq. No.	6939	Seq. ID	OJ990501_30.9919.C5
Gene No.	14585	Strand	+
Start	9831	End	14574
Name	OJ990501_30.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	14193	End	14526
GI	none	Score	313
Exons	14193..14474, 14194..14526		

Seq. No.	6940	Seq. ID	OJ990501_30.9919.C6
Gene No.	14586	Strand	+
Start	1	End	10875
Name	OJ990501_30.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	9562
GI	5295955	Score	334
Exons	1..26, 915..984, 1524..1637, 2323..2816, 2957..3071, 4701..5027, 9454..9562		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	6940	Seq. ID	OJ990501_30.9919.C6
Gene No.	14586	Strand	+
Start	1	End	10875
Name	OJ990501_30.9919.C6.o1.gs	Method	GENSCAN
Start	150	End	2144
GI	none	Score	.46
Exons	150..184, 896..1052, 1460..1578, 2063..2144		

Seq. No.	6940	Seq. ID	OJ990501_30.9919.C6
Gene No.	14586	Strand	+
Start	1	End	10875
Name	OJ990501_30.9919.C6.o3.gs	Method	GENSCAN
Start	7093	End	10841
GI	none	Score	.63
Exons	7093..7102, 8422..9910, 10343..10841		

Seq. No.	6940	Seq. ID	OJ990501_30.9919.C6
Gene No.	14586	Strand	+
Start	1	End	10875
Name	OJ990501_30.9919.C6.o1.gp	Method	AAT/GAP

Start 10317
GI 2428447
Exons 10317..10785

End 10785
Score 835

Seq. No. 6940
Gene No. 14586
Start 1
Name OJ990501_30.9919.C6.o3.np
Start 10439
GI 729930
Exons 10439..10875

Seq. ID OJ990501_30.9919.C6
Strand +
End 10875
Method AAT/NAP
End 10875
Score 78

GI Descrip. NONSEED LECTIN PRECURSOR gi|309675 (L11745) lectin [Pisum sativum]

Seq. No. 6940
Gene No. 14587
Start 2299
Name OJ990501_30.9919.C6.o2.gs
Start 2299
GI none
Exons 2299..2373, 2428..2722, 3384..3712, 4919..5104

Seq. ID OJ990501_30.9919.C6
Strand -
End 5104
Method GENSCAN
End 5104
Score .41

Seq. No. 6940
Gene No. 14588
Start 9534
Name OJ990501_30.9919.C6.o1.tc
Start 9534
GI none
Exons 9534..9719, 9708..9878

Seq. ID OJ990501_30.9919.C6
Strand
End 9911
Method TBLASTX:Cress
End 9878
Score 140

Seq. No. 6940
Gene No. 14588
Start 9534
Name OJ990501_30.9919.C6.o1.tm
Start 9570
GI none
Exons 9570..9683, 9587..9682, 9717..9836, 9725..9814, 9813..9911, 9819..9911

Seq. ID OJ990501_30.9919.C6
Strand
End 9911
Method TBLASTX:Maize
End 9911
Score 112

Seq. No. 6940
Gene No. 14588
Start 9534
Name OJ990501_30.9919.C6.o1.ts
Start 9597
GI none
Exons 9597..9725, 9720..9875

Seq. ID OJ990501_30.9919.C6
Strand
End 9911
Method TBLASTX:Soybean
End 9875
Score 105

Seq. No. 6941
Gene No. 14589
Start 69
Name OJ990501_30.9919.C7.o1.gs
Start 69
GI none
Exons 69..541, 650..1114, 1273..1313, 3109..3220, 3226..3411, 3828..4026, 4264..4504, 4673..6066, 6292..6457, 6557..6697, 7757..7995, 8188..8290, 8342..8624, 8656..8678, 8860..9119, 9324..10315, 10408..11077

Seq. ID OJ990501_30.9919.C7
Strand +
End 11391
Method GENSCAN
End 11077
Score .5

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	165	End	10957
GI	none	Score	106
Exons	165..350, 339..509, 645..824, 648..839, 827..958, 831..959, 990..1199, 1006..1035, 9603..9698, 9951..10124, 10113..10283, 10405..10563, 10406..10585, 10406..10570, 10585..10716, 10589..10717, 10748..10957		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o1.np	Method	AAT/NAP
Start	195	End	1361
GI	6729489	Score	650
Exons	195..541, 650..1361		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o8.tm	Method	TBLASTX:Maize
Start	201	End	10220
GI	none	Score	107
Exons	201..314, 218..313, 339..446, 359..451, 359..445, 9975..10088, 9992..10087, 10113..10220, 10120..10215, 10133..10219		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	279	End	10678
GI	none	Score	53
Exons	279..335, 351..554, 645..809, 728..805, 831..920, 843..914, 10053..10109, 10125..10316, 10405..10563, 10406..10567, 10589..10678		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o6.tw	Method	TBLASTX:Wheat
Start	378	End	10633
GI	none	Score	85
Exons	378..527, 648..875, 10152..10301, 10406..10633		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o5.tm	Method	TBLASTX:Maize
Start	453	End	10987
GI	none	Score	90
Exons	453..572, 648..809, 687..809, 831..986, 996..1226, 996..1223, 10221..10316, 10405..10566, 10406..10567, 10439..10567,		

10589..10717, 10600..10779, 10754..10987, 10760..10933

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o2.np	Method	AAT/NAP
Start	4153	End	8545
GI	6466937	Score	2315
Exons	4153..4844, 4881..8545		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o6.tm	Method	TBLASTX:Maize
Start	4840	End	5691
GI	none	Score	122
Exons	4840..4974, 5053..5295, 5386..5466, 5587..5691		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	5680	End	6162
GI	none	Score	366
Exons	5680..6162, 5784..6158		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o5.ts	Method	TBLASTX:Soybean
Start	5716	End	6030
GI	none	Score	208
Exons	5716..6030		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	5743	End	6216
GI	none	Score	582
Exons	5743..6216, 5784..6206		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o3.ts	Method	TBLASTX:Soybean
Start	6139	End	6498
GI	none	Score	282
Exons	6139..6498, 6307..6480		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o7.tm	Method	TBLASTX:Maize
Start	6219	End	6441

GI	none	Score	80
Exons	6219..6386, 6249..6425, 6265..6441		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o4.tw	Method	TBLASTX:Wheat
Start	6265	End	6612
GI	none	Score	302
Exons	6265..6612		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	6444	End	7065
GI	none	Score	564
Exons	6444..6932, 6445..6936, 6943..7065		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o4.ts	Method	TBLASTX:Soybean
Start	6522	End	6765
GI	none	Score	222
Exons	6522..6671, 6523..6765, 6526..6720		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o2.tw	Method	TBLASTX:Wheat
Start	6919	End	7353
GI	none	Score	331
Exons	6919..6942, 6954..7268, 6955..7353, 6991..7353		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	7189	End	7825
GI	none	Score	734
Exons	7189..7824, 7191..7823, 7366..7824, 7571..7825		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	7213	End	7596
GI	none	Score	309
Exons	7213..7596, 7326..7592		
Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o5.tw	Method	TBLASTX:Wheat
Start	7444	End	7824
GI	none	Score	300

Exons 7444..7824, 7539..7823

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	7870	End	8441
GI	none	Score	505
Exons	7870..8436, 7873..7956, 7953..8177, 8298..8441		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o3.tw	Method	TBLASTX:Wheat
Start	7891	End	8193
GI	none	Score	310
Exons	7891..8193, 7924..8172, 7995..8177		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o4.np	Method	AAT/NAP
Start	8886	End	11391
GI	6729489	Score	619
Exons	8886..9020, 9054..10315, 10408..11019, 11296..11391		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6941	Seq. ID	OJ990501_30.9919.C7
Gene No.	14589	Strand	+
Start	69	End	11391
Name	OJ990501_30.9919.C7.o3.np	Method	AAT/NAP
Start	8907	End	10981
GI	1418331	Score	621
Exons	8907..9879, 9937..10315, 10408..10981		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14590	Strand	+
Start	152	End	16334
Name	OJ990501_30.9919.C8.o1.gs	Method	GENSCAN
Start	152	End	16173
GI	none	Score	.48
Exons	152..278, 429..610, 1259..1310, 1509..1663, 2796..2890, 3061..3244, 4442..4744, 4891..5095, 5256..5275, 5314..5440, 5872..6033, 6092..6379, 6646..6906, 7789..7964, 9072..9199, 9807..9874, 9941..10082, 10320..10484, 12036..12093, 12116..12172, 12398..12471, 15633..15835, 16007..16173		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14590	Strand	+
Start	152	End	16334
Name	OJ990501_30.9919.C8.o4.np	Method	AAT/NAP
Start	10114	End	15044
GI	5668816	Score	303
Exons	10114..10206, 10331..10484, 11097..11191, 11537..11596, 11683..11774, 11854..11989, 12086..12176, 15022..15044		

GI Descrip. (AC007519) F16N3.15 [Arabidopsis thaliana]

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14590	Strand	+
Start	152	End	16334
Name	OJ990501_30.9919.C8.o1.gp	Method	AAT/GAP
Start	15761	End	16334
GI	2428744	Score	767
Exons	15761..15835, 16007..16334		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14591	Strand	-
Start	1	End	951
Name	OJ990501_30.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	951
GI	6069653	Score	1001
Exons	1..709, 744..951		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14592	Strand	-
Start	1988	End	4254
Name	OJ990501_30.9919.C8.o2.np	Method	AAT/NAP
Start	1988	End	4254
GI	4680186	Score	183
Exons	1988..2055, 2637..2868, 4214..4254		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14593	Strand	-
Start	9032	End	9316
Name	OJ990501_30.9919.C8.o3.np	Method	AAT/NAP
Start	9032	End	9316
GI	4914442	Score	118
Exons	9032..9316		
GI Descrip.	(AL050351) putative protein [Arabidopsis thaliana]		

Seq. No.	6942	Seq. ID	OJ990501_30.9919.C8
Gene No.	14594	Strand	-
Start	17709	End	17802
Name	OJ990501_30.9919.C8.o2.gs	Method	GENSCAN
Start	17709	End	17802
GI	none	Score	.99
Exons	17709..17802		

Seq. No.	6943	Seq. ID	OJ990531_39.9919.C1
Gene No.	14595	Strand	+
Start	98	End	197
Name	OJ990531_39.9919.C1.o1.gs	Method	GENSCAN
Start	98	End	197
GI	none	Score	.98
Exons	98..197		

Seq. No.	6944	Seq. ID	OJ990531_39.9919.C3
Gene No.	14596	Strand	+
Start	153	End	431
Name	OJ990531_39.9919.C3.o1.gs	Method	GENSCAN

Start	153	End	431
GI	none	Score	.4
Exons	153..431		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14597	Strand	+
Start	1	End	813
Name	OJ990531_39.9919.C4.ol.np	Method	AAT/NAP
Start	1	End	810
GI	2499488	Score	560
Exons	1..98, 192..295, 411..576, 685..810		
GI Descrip.	PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) gi 483547 emb CAA83682 (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis]		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14597	Strand	+
Start	1	End	813
Name	OJ990531_39.9919.C4.ol.gs	Method	GENSCAN
Start	33	End	813
GI	none	Score	.95
Exons	33..98, 192..295, 411..576, 685..813		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.ol.tm	Method	TBLASTX:Maize
Start	1	End	798
GI	none	Score	107
Exons	1..96, 2..97, 2..103, 3..98, 187..294, 191..295, 191..295, 192..296, 405..578, 406..591, 411..578, 680..796, 682..798, 684..797		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.ol.ts	Method	TBLASTX:Soybean
Start	1	End	792
GI	none	Score	91
Exons	1..90, 2..82, 2..94, 3..98, 191..292, 191..295, 192..296, 406..591, 411..587, 678..791, 682..792		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.ol.tw	Method	TBLASTX:Wheat
Start	191	End	550
GI	none	Score	168
Exons	191..295, 192..338, 406..549, 414..548, 416..550		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.ol.tc	Method	TBLASTX:Cress
Start	451	End	922

GI	none	Score	201
Exons	451..591, 456..578, 514..600, 682..786, 682..762, 684..776, 893..922		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	683	End	903
GI	none	Score	149
Exons	683..796, 684..797, 684..797, 685..798, 834..902, 844..903		

Seq. No.	6945	Seq. ID	OJ990531_39.9919.C4
Gene No.	14598	Strand	+
Start	929	End	1045
Name	OJ990531_39.9919.C4.o1.gp	Method	AAT/GAP
Start	929	End	1045
GI	LIB3433-037-P1-K1-D6	Score	141
Exons	929..1045		
GI Descrip.	'455458/gb L28995 RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene; complete cds'		

Seq. No.	6946	Seq. ID	OJ990531_39.9919.C5
Gene No.	14599	Strand	+
Start	3711	End	6503
Name	OJ990531_39.9919.C5.o2.np	Method	AAT/NAP
Start	3711	End	6503
GI	3150407	Score	205
Exons	3711..3825, 4916..5195, 6479..6503		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6946	Seq. ID	OJ990531_39.9919.C5
Gene No.	14600	Strand	-
Start	1	End	5820
Name	OJ990531_39.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	3980
GI	6466937	Score	1315
Exons	1..110, 1218..3980		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6946	Seq. ID	OJ990531_39.9919.C5
Gene No.	14600	Strand	-
Start	1	End	5820
Name	OJ990531_39.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	75	End	2533
GI	none	Score	70
Exons	75..137, 2052..2390, 2056..2382, 2136..2390, 2399..2533		

Seq. No.	6946	Seq. ID	OJ990531_39.9919.C5
Gene No.	14600	Strand	-
Start	1	End	5820
Name	OJ990531_39.9919.C5.o1.gs	Method	GENSCAN
Start	1191	End	4387
GI	none	Score	.65
Exons	1191..1795, 1889..2070, 2233..2337, 2382..2734, 2888..4387		

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o3.tm
 Start 1252
 GI none
 Exons 1252..1440, 1263..1445

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Maize
 End 1445
 Score 87

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o1.tm
 Start 1446
 GI none
 Exons 1446..1979, 1458..1976, 1474..1983

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Maize
 End 1983
 Score 178

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o2.ts
 Start 1449
 GI none
 Exons 1449..1694, 1534..1668, 1539..1676

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Soybean
 End 1694
 Score 81

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o2.tw
 Start 1602
 GI none
 Exons 1602..2003, 1602..2003

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Wheat
 End 2003
 Score 90

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o1.ts
 Start 1716
 GI none
 Exons 1716..2069, 1717..2067

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Soybean
 End 2069
 Score 141

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o2.tm
 Start 1998
 GI none
 Exons 1998..2402, 1999..2394, 2094..2402, 2393..2473

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Maize
 End 2473
 Score 193

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o2.tc
 Start 2088
 GI none
 Exons 2088..2381

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Cress
 End 2381
 Score 182

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o4.ts
 Start 2180
 GI none
 Exons 2180..2386, 2184..2387

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Soybean
 End 2387
 Score 183

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o3.np
 Start 3459
 GI 5922634
 Exons 3459..3488, 5722..5820

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method AAT/NAP
 End 5820
 Score 131

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o1.tc
 Start 4956
 GI none
 Exons 4956..5111, 4958..5110

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Cress
 End 5111
 Score 203

Seq. No. 6946
 Gene No. 14600
 Start 1
 Name OJ990531_39.9919.C5.o3.ts
 Start 4956
 GI none
 Exons 4956..5141, 4958..5143

Seq. ID OJ990531_39.9919.C5
 Strand -
 End 5820
 Method TBLASTX:Soybean
 End 5143
 Score 189

Seq. No. 6947
 Gene No. 14601
 Start 634
 Name OJ990531_39.9919.C6.o1.gs
 Start 634
 GI none
 Exons 634..1065, 1865..1919, 2192..2312, 3325..4256, 4317..4390

Seq. ID OJ990531_39.9919.C6
 Strand +
 End 6123
 Method GENSCAN
 End 4390
 Score .56

Seq. No. 6947
 Gene No. 14601
 Start 634
 Name OJ990531_39.9919.C6.o1.np
 Start 721
 GI 2262173
 Exons 721..880, 3354..4256, 6056..6123

Seq. ID OJ990531_39.9919.C6
 Strand +
 End 6123
 Method AAT/NAP
 End 6123
 Score 1276

GI Descrip. (AC002329) putative thioredoxin reductase [Arabidopsis thaliana]

Seq. No. 6947
 Gene No. 14601
 Start 634
 Name OJ990531_39.9919.C6.o1.gp
 Start 3198

Seq. ID OJ990531_39.9919.C6
 Strand +
 End 6123
 Method AAT/GAP
 End 3771

GI 11446_1.R1084 Score 1036
 Exons 3198..3771
 GI Descrip. '5830788/emb|CAB54874.1| 2.0e-47 (AL117188) thioredoxin reductase (NADPH) 2 [Arabidopsis thaliana]'

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14602 Strand +
 Start 15593 End 17098
 Name OJ990531_39.9919.C6.o5.np Method AAT/NAP
 Start 15593 End 17098
 GI 1091678 Score 292
 Exons 15593..16486, 16778..16874, 17061..17098
 GI Descrip. activator-like transposable element [Pennisetum glaucum]

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14603 Strand -
 Start 6353 End 11082
 Name OJ990531_39.9919.C6.o2.gp Method AAT/GAP
 Start 5707 End 6451
 GI none Score 737
 Exons 5707..5732, 6026..6451

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14603 Strand -
 Start 6353 End 11082
 Name OJ990531_39.9919.C6.o2.gs Method GENSCAN
 Start 6353 End 11082
 GI none Score .77
 Exons 6353..6469, 7047..7363, 7432..7508, 8031..8305, 8844..9728, 9898..10018, 10271..10362, 10580..10681, 10948..11082

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14603 Strand -
 Start 6353 End 11082
 Name OJ990531_39.9919.C6.o2.np Method AAT/NAP
 Start 7370 End 9715
 GI 3193321 Score 66
 Exons 7370..7419, 9534..9715
 GI Descrip. (AF069299) No definition line found [Arabidopsis thaliana]

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14604 Strand -
 Start 18017 End 18181
 Name OJ990531_39.9919.C6.o2.tm Method TBLASTX:Maize
 Start 3328 End 3643
 GI none Score 492
 Exons 3328..3639, 3329..3643

Seq. No. 6947 Seq. ID OJ990531_39.9919.C6
 Gene No. 14604 Strand -
 Start 18017 End 18181
 Name OJ990531_39.9919.C6.o1.tc Method TBLASTX:Cress
 Start 3359 End 6132
 GI none Score 420
 Exons 3359..3733, 3361..3639, 3728..4258, 3742..3966, 3875..4252, 4030..4257, 6054..6125, 6055..6132

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o1.ts
 Start 3359
 GI none
 Exons 3359..3661, 3361..3642

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Soybean
 End 3661
 Score 450

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o2.ts
 Start 3712
 GI none
 Exons 3712..3966, 3728..3973

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Soybean
 End 3973
 Score 361

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o1.tm
 Start 3742
 GI none
 Exons 3742..3966, 3743..4258, 3881..4255, 4033..4257, 6053..6133, 6054..6164, 6055..6165, 6149..6187

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Maize
 End 6187
 Score 754

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o3.ts
 Start 4025
 GI none
 Exons 4025..4258, 4025..4252, 4027..4257, 6054..6128, 6055..6132

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Soybean
 End 6132
 Score 337

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o1.tw
 Start 9333
 GI none
 Exons 9333..9506, 9516..9716, 9577..9714

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Wheat
 End 9716
 Score 71

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o5.tm
 Start 10524
 GI none
 Exons 10524..10823, 10899..10952

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Maize
 End 10952
 Score 148

Seq. No. 6947
 Gene No. 14604
 Start 18017
 Name OJ990531_39.9919.C6.o4.tm
 Start 15402
 GI none
 Exons 15402..15650, 15428..15649, 16277..16474, 16279..16470, 16575..16628

Seq. ID OJ990531_39.9919.C6
 Strand -
 End 18181
 Method TBLASTX:Maize
 End 16628
 Score 243

Seq. No.	6947	Seq. ID	OJ990531_39.9919.C6
Gene No.	14604	Strand	-
Start	18017	End	18181
Name	OJ990531_39.9919.C6.o3.tm	Method	TBLASTX:Maize
Start	15702	End	16276
GI	none	Score	146
Exons	15702..15845, 15705..15812, 15833..16141, 15841..16056, 16091..16276, 16166..16276		

Seq. No.	6947	Seq. ID	OJ990531_39.9919.C6
Gene No.	14604	Strand	-
Start	18017	End	18181
Name	OJ990531_39.9919.C6.o4.ts	Method	TBLASTX:Soybean
Start	16246	End	16459
GI	none	Score	236
Exons	16246..16458, 16256..16459		

Seq. No.	6947	Seq. ID	OJ990531_39.9919.C6
Gene No.	14604	Strand	-
Start	18017	End	18181
Name	OJ990531_39.9919.C6.o4.gs	Method	GENSCAN
Start	18017	End	18181
GI	none	Score	.74
Exons	18017..18181		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14605	Strand	+
Start	922	End	4971
Name	OJ990531_39.9919.C7.o1.gs	Method	GENSCAN
Start	922	End	4971
GI	none	Score	.62
Exons	922..1058, 1174..1370, 2155..2248, 4761..4834, 4955..4971		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14606	Strand	+
Start	12322	End	16201
Name	OJ990531_39.9919.C7.o3.gs	Method	GENSCAN
Start	12322	End	16201
GI	none	Score	.62
Exons	12322..12394, 12948..13003, 14895..14991, 15034..15270, 15282..15370, 15791..15855, 16045..16201		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14607	Strand	+
Start	28522	End	30607
Name	OJ990531_39.9919.C7.o3.np	Method	AAT/NAP
Start	28522	End	30607
GI	6554473	Score	536
Exons	28522..28728, 28856..29085, 29901..29976, 30065..30308, 30516..30607		
GI Descrip.	(AC012394) putative RNA-binding protein [Arabidopsis thaliana] gi 6642681 gb AAF20261.1 AC015450_22 (AC015450) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14608	Strand	-

Start	5034	End	5337
Name	OJ990531_39.9919.C7.o1.gp	Method	AAT/GAP
Start	5034	End	5337
GI	uC-osflcyp127g10a1	Score	561
Exons	5034..5337		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14609	Strand	-
Start	5673	End	9219
Name	OJ990531_39.9919.C7.o2.gp	Method	AAT/GAP
Start	5673	End	6189
GI	2800496	Score	843
Exons	5673..6189		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14609	Strand	-
Start	5673	End	9219
Name	OJ990531_39.9919.C7.o2.gs	Method	GENSCAN
Start	6027	End	9219
GI	none	Score	.48
Exons	6027..7141, 7434..7488, 7894..8222, 9027..9219		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14609	Strand	-
Start	5673	End	9219
Name	OJ990531_39.9919.C7.o1.np	Method	AAT/NAP
Start	6083	End	7708
GI	2827558	Score	566
Exons	6083..6956, 7626..7708		
GI Descrip.	(AL021635) putative DNA binding protein [Arabidopsis thaliana]		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14609	Strand	-
Start	5673	End	9219
Name	OJ990531_39.9919.C7.o3.gp	Method	AAT/GAP
Start	7410	End	7663
GI	1631453	Score	464
Exons	7410..7663		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14610	Strand	-
Start	21039	End	25660
Name	OJ990531_39.9919.C7.o2.np	Method	AAT/NAP
Start	21039	End	25458
GI	1346301	Score	2301
Exons	21039..21278, 21507..21853, 22467..22648, 24716..25458		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi 1071805 pir S46314 hydroxymethylglutaryl CoA reductase - rice gi 455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14610	Strand	-
Start	21039	End	25660
Name	OJ990531_39.9919.C7.o4.gp	Method	AAT/GAP

Start	25248	End	25660
GI	2428129	Score	721
Exons	25248..25660		
GI Descrip.	455458/gb L28995 RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	6465	End	6726
GI	none	Score	85
Exons	6465..6533, 6519..6713, 6526..6717, 6673..6726		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o6.tm	Method	TBLASTX:Maize
Start	6466	End	6717
GI	none	Score	46
Exons	6466..6522, 6495..6713, 6543..6713, 6583..6717		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o4.tc	Method	TBLASTX:Cress
Start	6516	End	6713
GI	none	Score	191
Exons	6516..6713		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o4.ts	Method	TBLASTX:Soybean
Start	6519	End	6714
GI	none	Score	73
Exons	6519..6713, 6661..6714		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	21037	End	25062
GI	none	Score	181
Exons	21037..21279, 21049..21279, 21054..21281, 21482..21607, 21498..21854, 21499..21606, 21504..21857, 21505..21858, 22436..22504, 22479..22520, 22492..22650, 22517..22651, 24715..25062, 24800..25051, 24916..25059		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	21049	End	25062
GI	none	Score	185
Exons	21049..21279, 21054..21281, 21504..21857, 21504..21857,		

21505..21858, 22406..22651, 22436..22648, 22465..22650,
24715..25062, 24716..25051, 24907..25062

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	21054	End	25062
GI	none	Score	154
Exons	21054..21281, 21058..21279, 21504..21854, 21504..21857, 21505..21858, 22406..22651, 22436..22606, 22465..22650, 24715..25047, 24715..25062, 24716..25051		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	28536	End	28957
GI	none	Score	74
Exons	28536..28634, 28536..28616, 28558..28728, 28677..28733, 28843..28887, 28856..28891, 28871..28957, 28888..28956		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o2.tc	Method	TBLASTX:Cress
Start	28545	End	28984
GI	none	Score	241
Exons	28545..28616, 28555..28734, 28677..28754, 28855..28974, 28856..28984		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	28572	End	28954
GI	none	Score	232
Exons	28572..28619, 28573..28734, 28677..28754, 28855..28953, 28856..28954		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	29609	End	31931
GI	none	Score	83
Exons	29609..29656, 29611..29661, 29928..29972, 29930..29977, 30050..30301, 30053..30304, 30511..30639, 30515..30634, 30515..30712, 30516..30641, 30517..30642, 30714..30737, 30716..30760, 30735..30809, 30738..30818, 30739..30819, 30739..30819, 30740..30823, 31554..31589, 31556..31591, 31556..31591, 31589..31615, 31590..31619, 31603..31689, 31613..31645, 31614..31730, 31712..31771, 31745..31792, 31747..31791, 31758..31820, 31771..31818, 31917..31931		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-

Start	31942	End	35380
Name	OJ990531_39.9919.C7.o5.gp	Method	AAT/GAP
Start	31879	End	32344
GI	55842_1.R1084	Score	896
Exons	31879..32344		
GI Descrip.	'455458/gb L28995 RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds'		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o5.gs	Method	GENSCAN
Start	31942	End	35380
GI	none	Score	.71
Exons	31942..32073, 34404..34510, 34797..34882, 34972..35046, 35163..35380		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o6.gp	Method	AAT/GAP
Start	33128	End	33881
GI	LIB3433-031-P1-K1-C1	Score	612
Exons	33128..33275, 33475..33562, 33646..33743, 33856..33881		
GI Descrip.	'5630087/gb AAD45832.1 AC004876_5 6.0e-10 (AC004876) similar to predicted proteins AAB54240 (PID:g2088822) and S67138 (PID:g2132925) [Homo sapiens]'		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o4.np	Method	AAT/NAP
Start	33177	End	35308
GI	6572073	Score	739
Exons	33177..33275, 33475..33562, 33646..33743, 33856..33968, 34047..34218, 34404..34510, 34797..34882, 34972..35046, 35163..35308		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o3.tc	Method	TBLASTX:Cress
Start	33201	End	35045
GI	none	Score	89
Exons	33201..33278, 33472..33561, 33476..33559, 33645..33737, 33648..33752, 33856..33936, 33860..33937, 34063..34218, 34094..34216, 34401..34511, 34405..34512, 34798..34899, 34965..35045		

Seq. No.	6948	Seq. ID	OJ990531_39.9919.C7
Gene No.	14611	Strand	-
Start	31942	End	35380
Name	OJ990531_39.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	33687	End	34512
GI	none	Score	105

Exons 33687..33752, 33856..33954, 33860..33943, 34054..34218,
34060..34218, 34062..34220, 34094..34219, 34401..34511,
34402..34512

Seq. No. 6948 Seq. ID OJ990531_39.9919.C7
Gene No. 14611 Strand -
Start 31942 End 35380
Name OJ990531_39.9919.C7.o3.ts Method TBLASTX:Soybean
Start 33856 End 34218
GI none Score 94
Exons 33856..33945, 33860..33940, 34060..34218, 34094..34216

Seq. No. 6948 Seq. ID OJ990531_39.9919.C7
Gene No. 14611 Strand -
Start 31942 End 35380
Name OJ990531_39.9919.C7.o5.tm Method TBLASTX:Maize
Start 34798 End 35034
GI none Score 75
Exons 34798..34899, 34798..34899, 34835..34969, 34962..35033,
34969..35034

Seq. No. 6949 Seq. ID OJ990531_39.9919.C9
Gene No. 14612 Strand -
Start 1 End 9801
Name OJ990531_39.9919.C9.o1.np Method AAT/NAP
Start 1 End 4262
GI 2499488 Score 1443
Exons 1..100, 204..248, 339..449, 517..590, 696..789, 876..956,
1473..1526, 1769..1852, 1973..2040, 2129..2317, 2922..3034,
3254..3426, 4173..4262

GI Descrip. PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA
SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE))
(PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK)
gi|483547|emb|CAA83682| (Z32849) pyrophosphate-dependent
phosphofructokinase alpha subunit [Ricinus communis]

Seq. No. 6949 Seq. ID OJ990531_39.9919.C9
Gene No. 14612 Strand -
Start 1 End 9801
Name OJ990531_39.9919.C9.o1.ts Method TBLASTX:Soybean
Start 44 End 4263
GI none Score 65
Exons 44..103, 48..104, 201..251, 217..255, 330..449, 340..453,
343..450, 344..451, 517..591, 681..779, 691..789, 692..790,
873..959, 874..969, 1473..1529, 1766..1855, 1767..1853,
1970..2041, 2113..2292, 2127..2318, 2128..2319, 2130..2333,
2914..3036, 2915..3037, 2920..3063, 3238..3429, 3254..3427,
4173..4262, 4174..4263

Seq. No. 6949 Seq. ID OJ990531_39.9919.C9
Gene No. 14612 Strand -
Start 1 End 9801
Name OJ990531_39.9919.C9.o1.gs Method GENSCAN
Start 44 End 9752
GI none Score .65
Exons 44..100, 204..248, 339..449, 517..590, 696..789, 1473..1526,
1769..1852, 1973..2040, 2129..2317, 2922..3034, 3254..3371,

3875..4553, 6137..6229, 6398..6448, 6593..6659, 6758..6956,
7049..7100, 7162..7281, 8506..8598, 9023..9100, 9169..9214,
9306..9358, 9529..9568, 9667..9752

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	44	End	4263
GI	none	Score	77

Exons 44..103, 48..101, 201..251, 203..274, 204..239, 208..252,
330..449, 337..450, 339..455, 340..450, 341..451, 435..575,
514..591, 517..591, 691..789, 692..790, 705..791, 713..790,
852..968, 873..959, 1473..1529, 1474..1533, 1758..1853,
1758..1853, 1759..1857, 1766..1855, 1970..2041, 1971..2042,
1972..2046, 2110..2316, 2127..2318, 2127..2318, 2128..2319,
2898..3035, 2914..3036, 2915..3037, 2921..3037, 3226..3429,
3238..3429, 3273..3449, 4173..4262, 4174..4263

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
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Gene No.	14612	Strand	-
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Start	1	End	9801
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Name	OJ990531_39.9919.C9.o1.gp	Method	AAT/GAP
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Start	849	End	2223
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GI	LIB3434-047-P1-K1-G6	Score	635
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Exons	849..956, 1473..1526, 1769..1852, 1973..2040, 2129..2223
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GI Descrip.	'2499488/sp Q41140 PFPA RICCO 8.0e-60 PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) >gi_483547_emb_CAA83682_ (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis]'
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Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
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Gene No.	14612	Strand	-
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Start	1	End	9801
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Name	OJ990531_39.9919.C9.o1.tc	Method	TBLASTX:Cress
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Start	876	End	3040
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GI	none	Score	38
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Exons	876..938, 930..959, 1766..1855, 1970..2053, 2127..2318, 2920..3036, 3017..3040
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Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
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Gene No.	14612	Strand	-
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Start	1	End	9801
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Name	OJ990531_39.9919.C9.o1.tw	Method	TBLASTX:Wheat
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Start	2218	End	3366
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GI	none	Score	158
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Exons	2218..2319, 2218..2307, 2220..2318, 2895..3035, 2914..3036, 2920..3036, 2921..3037, 2927..3037, 3238..3366, 3254..3364
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Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
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Gene No.	14612	Strand	-
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Start	1	End	9801
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Name	OJ990531_39.9919.C9.o2.gp	Method	AAT/GAP
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Start	2229	End	4255
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GI	65692_1.R1084	Score	785
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Exons 2229..2315, 2919..3034, 3254..3426, 4173..4255
 GI Descrip. '3790102 3.0e-51 (AF095521) pyrophosphate-dependent
 phosphofructokinase alpha subunit [Citrus X paradisi]'

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	5947	End	6707
GI	none	Score	159
Exons	5947..6060, 5950..6075, 6134..6232, 6135..6230, 6160..6231, 6395..6448, 6396..6446, 6590..6685, 6593..6682, 6594..6707		

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o2.np	Method	AAT/NAP
Start	5965	End	9801
GI	6642669	Score	576
Exons	5965..6057, 6137..6229, 6398..6448, 6593..6909, 7149..7266, 8486..8598, 9169..9214, 9262..9358, 9529..9568, 9667..9801		
GI Descrip.	(AC015450) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o2.ts	Method	TBLASTX:Soybean
Start	5971	End	6224
GI	none	Score	86
Exons	5971..6075, 5972..6058, 6134..6223, 6134..6223, 6135..6224		

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o3.tm	Method	TBLASTX:Maize
Start	7156	End	9788
GI	none	Score	97
Exons	7156..7224, 7157..7279, 8497..8601, 8503..8598, 9163..9213, 9170..9214, 9305..9361, 9309..9365, 9520..9570, 9664..9732, 9666..9788		

Seq. No.	6949	Seq. ID	OJ990531_39.9919.C9
Gene No.	14612	Strand	-
Start	1	End	9801
Name	OJ990531_39.9919.C9.o3.ts	Method	TBLASTX:Soybean
Start	9163	End	9794
GI	none	Score	52
Exons	9163..9216, 9170..9214, 9305..9361, 9306..9359, 9520..9570, 9666..9794		

Seq. No.	6950	Seq. ID	OJ990531_39.9919.C10
Gene No.	14613	Strand	+
Start	102	End	770
Name	OJ990531_39.9919.C10.o1.gs	Method	GENSCAN
Start	102	End	770
GI	none	Score	.68
Exons	102..210, 678..770		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14614	Strand	+
Start	594	End	9868
Name	OJ990531_39.9919.C11.o1.gs	Method	GENSCAN
Start	594	End	9700
GI	none	Score	.56
Exons	594..974, 1332..1393, 1665..1779, 1914..2037, 2222..2302, 2740..3081, 3180..3346, 3428..3660, 3785..4047, 4066..4258, 4722..6174, 7827..8018, 8121..8694, 8788..8952, 9390..9489, 9567..9700		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14614	Strand	+
Start	594	End	9868
Name	OJ990531_39.9919.C11.o1.gp	Method	AAT/GAP
Start	6047	End	6429
GI	none	Score	736
Exons	6047..6429		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14614	Strand	+
Start	594	End	9868
Name	OJ990531_39.9919.C11.o2.gp	Method	AAT/GAP
Start	7729	End	8269
GI	71940_1.R1084	Score	830
Exons	7729..8018, 8121..8269		
GI Descrip.	'4512664/gb AAD21718.1 4.0e-32 (AC006931) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4544471_gb_AAD22378.1 AC006580_10 (AC006580) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4902472_emb_CAB43553.1 (AJ012407) phosphoribosyl diphosphate synthase [Arabidopsis thaliana]'		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14614	Strand	+
Start	594	End	9868
Name	OJ990531_39.9919.C11.o1.np	Method	AAT/NAP
Start	7903	End	9697
GI	4902879	Score	1180
Exons	7903..8018, 8121..8532, 8626..8694, 8824..8952, 9390..9489, 9570..9697		
GI Descrip.	(AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea]		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14614	Strand	+
Start	594	End	9868
Name	OJ990531_39.9919.C11.o3.gp	Method	AAT/GAP
Start	8341	End	9868
GI	38739_1.R1084	Score	1260
Exons	8341..8532, 8626..8694, 8824..8952, 9390..9490, 9567..9868		
GI Descrip.	'4902879/emb CAB43602.1 1.0e-24 (AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea]'		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14615	Strand	+

Start	13415	End	25235
Name	OJ990531_39.9919.C11.o2.np	Method	AAT/NAP
Start	13415	End	25235
GI	6815109	Score	81
Exons	13415..13532, 16427..16671, 18077..18401, 25134..25235		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14615	Strand	+
Start	13415	End	25235
Name	OJ990531_39.9919.C11.o4.gs	Method	GENSCAN
Start	17969	End	22689
GI	none	Score	.62
Exons	17969..18147, 18187..18400, 18910..18998, 20264..20390, 22515..22595, 22654..22689		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14616	Strand	-
Start	13433	End	17037
Name	OJ990531_39.9919.C11.o3.gs	Method	GENSCAN
Start	13433	End	17037
GI	none	Score	.5
Exons	13433..13606, 15356..15399, 16716..16959, 17020..17037		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o3.tc	Method	TBLASTX:Cress
Start	793	End	1107
GI	none	Score	143
Exons	793..936, 822..935, 987..1106, 988..1107		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	1999	End	3293
GI	none	Score	64
Exons	1999..2040, 2165..2308, 2193..2303, 2219..2305, 2724..3059, 2728..2982, 2739..3068, 2740..3084, 3019..3081, 3171..3293, 3179..3292		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o2.ts	Method	TBLASTX:Soybean
Start	3195	End	3788
GI	none	Score	115
Exons	3195..3335, 3269..3346, 3428..3787, 3429..3788		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o5.tm	Method	TBLASTX:Maize
Start	3901	End	4972
GI	none	Score	128
Exons	3901..4200, 3936..4055, 3937..4215, 4162..4260, 4206..4259,		

4712..4972, 4719..4970, 4720..4971

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o1.tw	Method	TBLASTX:Wheat
Start	4089	End	4956
GI	none	Score	128
Exons	4089..4184, 4090..4203, 4091..4195, 4201..4260, 4201..4254, 4712..4954, 4720..4956		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o5.tc	Method	TBLASTX:Cress
Start	4708	End	4942
GI	none	Score	201
Exons	4708..4932, 4709..4942		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o3.ts	Method	TBLASTX:Soybean
Start	4712	End	5073
GI	none	Score	169
Exons	4712..4894, 4726..4890, 4894..5073, 4904..5068		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o4.tm	Method	TBLASTX:Maize
Start	5099	End	5415
GI	none	Score	416
Exons	5099..5401, 5100..5414, 5101..5415, 5119..5415		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o6.tm	Method	TBLASTX:Maize
Start	5416	End	5701
GI	none	Score	73
Exons	5416..5550, 5418..5543, 5483..5551, 5503..5700, 5554..5700, 5555..5701		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o2.tc	Method	TBLASTX:Cress
Start	5612	End	6139
GI	none	Score	88
Exons	5612..5737, 5746..6135, 5747..6139		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o3.tm	Method	TBLASTX:Maize
Start	5830	End	6420

GI	none	Score	475
Exons	5830..6183, 5831..6187, 6331..6357, 6376..6420		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	7798	End	9875
GI	none	Score	39
Exons	7798..7824, 7799..7825, 7882..8019, 7884..8015, 7927..8019, 8074..8187, 8086..8535, 8121..8486, 8470..8532, 8625..8693, 8626..8697, 8820..8948, 8824..8952, 8827..8955, 9387..9488, 9387..9473, 9388..9489, 9539..9700, 9565..9699, 9567..9701, 9567..9719, 9568..9702, 9687..9791, 9688..9795, 9698..9793, 9791..9874, 9810..9875		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o1.ts	Method	TBLASTX:Soybean
Start	7888	End	8867
GI	none	Score	103
Exons	7888..8019, 7927..8019, 8119..8535, 8127..8540, 8626..8697, 8631..8696, 8823..8867, 8824..8865		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o1.tc	Method	TBLASTX:Cress
Start	7918	End	8697
GI	none	Score	129
Exons	7918..8019, 7930..8019, 8068..8487, 8115..8486, 8623..8697, 8634..8696		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o4.tc	Method	TBLASTX:Cress
Start	9417	End	9703
GI	none	Score	94
Exons	9417..9491, 9550..9699, 9568..9702, 9569..9703		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o4.ts	Method	TBLASTX:Soybean
Start	9426	End	9720
GI	none	Score	85
Exons	9426..9479, 9583..9720, 9584..9700		

Seq. No.	6951	Seq. ID	OJ990531_39.9919.C11
Gene No.	14617	Strand	-
Start	24002	End	24194
Name	OJ990531_39.9919.C11.o5.gs	Method	GENSCAN
Start	24002	End	24194
GI	none	Score	.48
Exons	24002..24021, 24132..24194		

Seq. No.	6952	Seq. ID	OJ990531_39.9919.C12
Gene No.	14618	Strand	-
Start	1	End	638
Name	OJ990531_39.9919.C12.o1.np	Method	AAT/NAP
Start	1	End	638
GI	2498930	Score	738
Exons	1..394, 562..638		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6953	Seq. ID	OJ990421_32.9919.C2
Gene No.	14619	Strand	+
Start	395	End	501
Name	OJ990421_32.9919.C2.o1.gs	Method	GENSCAN
Start	395	End	501
GI	none	Score	.87
Exons	395..501		

Seq. No.	6954	Seq. ID	OJ990421_32.9919.C3
Gene No.	14620	Strand	+
Start	611	End	2020
Name	OJ990421_32.9919.C3.o1.gp	Method	AAT/GAP
Start	611	End	992
GI	uC-osflcyp033a04b1	Score	659
Exons	611..992		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6954	Seq. ID	OJ990421_32.9919.C3
Gene No.	14620	Strand	+
Start	611	End	2020
Name	OJ990421_32.9919.C3.o1.gs	Method	GENSCAN
Start	735	End	2020
GI	none	Score	.4
Exons	735..796, 1876..2020		

Seq. No.	6954	Seq. ID	OJ990421_32.9919.C3
Gene No.	14621	Strand	+
Start	10554	End	11756
Name	OJ990421_32.9919.C3.o4.gs	Method	GENSCAN
Start	10554	End	11756
GI	none	Score	.66
Exons	10554..10802, 11164..11217, 11566..11756		

Seq. No.	6954	Seq. ID	OJ990421_32.9919.C3
Gene No.	14622	Strand	-
Start	544	End	2488
Name	OJ990421_32.9919.C3.o1.np	Method	AAT/NAP
Start	544	End	2488
GI	4680186	Score	238
Exons	544..760, 2452..2488		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6954	Seq. ID	OJ990421_32.9919.C3
Gene No.	14623	Strand	-
Start	2513	End	3917

Name OJ990421_32.9919.C3.o2.gs
 Start 2513
 GI none
 Exons 2513..2721, 3167..3917

Method GENSCAN
 End 3917
 Score .55

Seq. No. 6954
 Gene No. 14624
 Start 4969
 Name OJ990421_32.9919.C3.o3.gs
 Start 4969
 GI none
 Exons 4969..5005, 5592..5655, 5679..5729, 5874..6054, 7017..7064

Seq. ID OJ990421_32.9919.C3
 Strand -
 End 7064
 Method GENSCAN
 End 7064
 Score .47

Seq. No. 6955
 Gene No. 14625
 Start 2671
 Name OJ990421_32.9919.C4.o1.np
 Start 2671
 GI 5042448
 Exons 2671..3232, 3272..3567
 GI Descrip. (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]

Seq. ID OJ990421_32.9919.C4
 Strand +
 End 3567
 Method AAT/NAP
 End 3567
 Score 1320

Seq. No. 6955
 Gene No. 14626
 Start 3821
 Name OJ990421_32.9919.C4.o2.np
 Start 3821
 GI 4680179
 Exons 3821..8121.
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990421_32.9919.C4
 Strand +
 End 8121
 Method AAT/NAP
 End 8121
 Score 7236

Seq. No. 6955
 Gene No. 14627
 Start 10249
 Name OJ990421_32.9919.C4.o1.gp
 Start 10249
 GI 52923_1.R1084
 Exons 10249..10668, 13043..13124, 13215..13287
 GI Descrip. '5823554/gb|AAD53184.1|AF180920_1 4.0e-10 (AF180920) cyclin ania-6a [Homo sapiens]'

Seq. ID OJ990421_32.9919.C4
 Strand +
 End 19653
 Method AAT/GAP
 End 13287
 Score 1017

Seq. No. 6955
 Gene No. 14627
 Start 10249
 Name OJ990421_32.9919.C4.o3.np
 Start 13056
 GI 2739368
 Exons 13056..13126, 13217..13355, 13541..13707, 15252..15533, 15597..15961, 16177..16253
 GI Descrip. (AC002505) putative cyclin [Arabidopsis thaliana]

Seq. ID OJ990421_32.9919.C4
 Strand +
 End 19653
 Method AAT/NAP
 End 16253
 Score 832

Seq. No. 6955
 Gene No. 14627
 Start 10249
 Name OJ990421_32.9919.C4.o2.gp
 Start 15476

Seq. ID OJ990421_32.9919.C4
 Strand +
 End 19653
 Method AAT/GAP
 End 15889

GI	286346	Score	595
Exons	15476..15513, 15592..15889		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14627	Strand	+
Start	10249	End	19653
Name	OJ990421_32.9919.C4.o3.gp	Method	AAT/GAP
Start	15829	End	16497
GI	55290_1.R1084	Score	735
Exons	15829..15967, 16052..16093, 16171..16497		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14627	Strand	+
Start	10249	End	19653
Name	OJ990421_32.9919.C4.o4.np	Method	AAT/NAP
Start	16167	End	19653
GI	4680180	Score	1096
Exons	16167..16197, 18504..19653		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14628	Strand	+
Start	21316	End	26354
Name	OJ990421_32.9919.C4.o9.np	Method	AAT/NAP
Start	21316	End	26354
GI	4680186	Score	384
Exons	21316..21336, 25262..25318, 26154..26354		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14629	Strand	-
Start	139	End	930
Name	OJ990421_32.9919.C4.o1.gs	Method	GENSCAN
Start	139	End	930
GI	none	Score	.91
Exons	139..476, 870..930		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o8.tw	Method	TBLASTX:Wheat
Start	4087	End	4447
GI	none	Score	291
Exons	4087..4188, 4088..4447, 4213..4437		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o9.tm	Method	TBLASTX:Maize
Start	4328	End	4660
GI	none	Score	202
Exons	4328..4660, 4328..4612, 4345..4515		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-

Start	21181	End	26799
Name	OJ990421_32.9919.C4.o9.tw	Method	TBLASTX:Wheat
Start	4967	End	5383
GI	none	Score	136
Exons	4967..5137, 5017..5115, 5201..5383, 5227..5382		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	5546	End	6028
GI	none	Score	550
Exons	5546..6028, 5650..5985, 5657..6019		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	5558	End	5847
GI	none	Score	322
Exons	5558..5845, 5656..5847		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	5915	End	6415
GI	none	Score	161
Exons	5915..6094, 6080..6415, 6166..6297		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	5969	End	6364
GI	none	Score	57
Exons	5969..6001, 5969..6013, 6005..6364, 6005..6085, 6109..6363		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o5.tw	Method	TBLASTX:Wheat
Start	6077	End	6379
GI	none	Score	400
Exons	6077..6379, 6078..6179, 6109..6378		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	6380	End	6889
GI	none	Score	629
Exons	6380..6889, 6412..6723, 6458..6805		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799

Name OJ990421_32.9919.C4.o4.ts
Start 6386
GI none
Exons 6386..6631

Method TBLASTX:Soybean
End 6631
Score 202

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o3.tm
Start 6452
GI none
Exons 6452..6805, 6454..6720, 6506..6817

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Maize
End 6817
Score 488

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o4.tw
Start 6893
GI none
Exons 6893..7195, 6926..7186, 7117..7200, 7197..7370, 7198..7371

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Wheat
End 7371
Score 297

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o2.ts
Start 7186
GI none
Exons 7186..7419, 7197..7418

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Soybean
End 7419
Score 274

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o5.tm
Start 7218
GI none
Exons 7218..7505, 7219..7509

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Maize
End 7509
Score 387

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o1.tw
Start 7378
GI none
Exons 7378..8004, 7380..8003, 18946..19125, 19159..19287

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Wheat
End 19287
Score 716

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o1.tm
Start 7558
GI none
Exons 7558..7719, 7566..7712, 7717..8121, 7719..8126

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Maize
End 8126
Score 223

Seq. No. 6955
Gene No. 14630
Start 21181
Name OJ990421_32.9919.C4.o2.tm

Seq. ID OJ990421_32.9919.C4
Strand -
End 26799
Method TBLASTX:Maize

Start	10502	End	16076
GI	none	Score	244
Exons	10502..10669, 10507..10668, 13018..13110, 13044..13094, 13044..13124, 13045..13110, 13212..13361, 13214..13342, 13514..13669, 13514..13666, 13667..13705, 13667..13705, 15220..15513, 15244..15513, 15249..15518, 15257..15514, 15589..15795, 15589..15756, 15591..15776, 15791..15907, 15812..15904, 15841..15906, 15922..15969, 16044..16076		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	10516	End	13361
GI	none	Score	220
Exons	10516..10668, 10517..10669, 13049..13099, 13050..13094, 13214..13342, 13218..13361		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	10516	End	13237
GI	none	Score	244
Exons	10516..10680, 10517..10678, 13040..13099, 13041..13094, 13193..13237		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o5.ts	Method	TBLASTX:Soybean
Start	13562	End	15357
GI	none	Score	176
Exons	13562..13669, 13562..13663, 13667..13699, 15241..15312, 15249..15320, 15313..15357		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o6.tw	Method	TBLASTX:Wheat
Start	18530	End	18912
GI	none	Score	270
Exons	18530..18817, 18538..18816, 18807..18911, 18808..18912		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o7.tm	Method	TBLASTX:Maize
Start	18530	End	18817
GI	none	Score	315
Exons	18530..18817, 18547..18816		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o10.tw	Method	TBLASTX:Wheat
Start	19288	End	19644

GI	none	Score	128
Exons	19288..19488, 19516..19644, 19518..19643		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o10.tm	Method	TBLASTX:Maize
Start	19342	End	19608
GI	none	Score	142
Exons	19342..19524, 19525..19608		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o5.np	Method	AAT/NAP
Start	21181	End	22508
GI	6721561	Score	1153
Exons	21181..21946, 22029..22087, 22157..22354, 22440..22508		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o6.np	Method	AAT/NAP
Start	21536	End	23346
GI	6721558	Score	272
Exons	21536..21769, 22421..22545, 23247..23346		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o7.np	Method	AAT/NAP
Start	22569	End	25891
GI	6721512	Score	81
Exons	22569..22619, 24054..24157, 24185..24276, 25798..25891		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o8.np	Method	AAT/NAP
Start	24825	End	26556
GI	4726116	Score	280
Exons	24825..25214, 26536..26556		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o7.tw	Method	TBLASTX:Wheat

Start	24831	End	25209
GI	none	Score	103
Exons	24831..25208, 24864..25208, 24937..25209		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o8.tm	Method	TBLASTX:Maize
Start	24939	End	25205
GI	none	Score	59
Exons	24939..25004, 24942..25007, 25044..25205, 25045..25197		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o4.gs	Method	GENSCAN
Start	25430	End	26799
GI	none	Score	.48
Exons	25430..25467, 26734..26799		

Seq. No.	6955	Seq. ID	OJ990421_32.9919.C4
Gene No.	14630	Strand	-
Start	21181	End	26799
Name	OJ990421_32.9919.C4.o4.gp	Method	AAT/GAP
Start	25907	End	26287
GI	uC-osflcyp033a04b1	Score	646
Exons	25907..26287		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6956	Seq. ID	OJ990421_32.9919.C5
Gene No.	14631	Strand	+
Start	1	End	4469
Name	OJ990421_32.9919.C5.o2.np	Method	AAT/NAP
Start	1	End	4469
GI	5091513	Score	1571
Exons	1..33, 2319..3115, 3859..4469		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6956	Seq. ID	OJ990421_32.9919.C5
Gene No.	14631	Strand	+
Start	1	End	4469
Name	OJ990421_32.9919.C5.o1.gp	Method	AAT/GAP
Start	656	End	1591
GI	72524_1.R1084	Score	412
Exons	656..688, 1276..1591		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6956	Seq. ID	OJ990421_32.9919.C5
Gene No.	14632	Strand	-
Start	245	End	752
Name	OJ990421_32.9919.C5.o1.np	Method	AAT/NAP
Start	245	End	704
GI	2213632	Score	468
Exons	245..704		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6956	Seq. ID	OJ990421_32.9919.C5
Gene No.	14632	Strand	-
Start	245	End	752
Name	OJ990421_32.9919.C5.ol.tw	Method	TBLASTX:Wheat
Start	246	End	591
GI	none	Score	218
Exons	246..590, 268..591		

Seq. No.	6956	Seq. ID	OJ990421_32.9919.C5
Gene No.	14632	Strand	-
Start	245	End	752
Name	OJ990421_32.9919.C5.ol.tm	Method	TBLASTX:Maize
Start	324	End	752
GI	none	Score	214
Exons	324..752, 340..744		

Seq. No.	6957	Seq. ID	OJ990421_32.9919.C6
Gene No.	14633	Strand	+
Start	1	End	4282
Name	OJ990421_32.9919.C6.ol.np	Method	AAT/NAP
Start	1	End	4282
GI	5091513	Score	2251
Exons	1..1725, 1888..2078, 2674..2798, 2833..3112, 4005..4282		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6957	Seq. ID	OJ990421_32.9919.C6
Gene No.	14633	Strand	+
Start	1	End	4282
Name	OJ990421_32.9919.C6.ol.gs	Method	GENSCAN
Start	73	End	2865
GI	none	Score	.43
Exons	73..1926, 1981..2203, 2507..2865		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14634	Strand	+
Start	1	End	5393
Name	OJ990421_32.9919.C7.ol.np	Method	AAT/NAP
Start	1	End	4285
GI	6016874	Score	468
Exons	1..44, 351..510, 898..1064, 1263..1616, 2076..2290, 4264..4285		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14634	Strand	+
Start	1	End	5393
Name	OJ990421_32.9919.C7.ol.gs	Method	GENSCAN
Start	21	End	1522
GI	none	Score	.92
Exons	21..510, 1065..1522		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14634	Strand	+
Start	1	End	5393
Name	OJ990421_32.9919.C7.o2.gs	Method	GENSCAN

Start	4008	End	5393
GI	none	Score	.76
Exons	4008..4051, 4228..4306, 5229..5328, 5371..5393		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14635	Strand	+
Start	6250	End	16495
Name	OJ990421_32.9919.C7.o1.gp	Method	AAT/GAP
Start	6165	End	7291
GI	42382.1.R1084	Score	946
Exons	6165..6496, 7129..7291		
GI Descrip.	'3928088 3.0e-23 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14635	Strand	+
Start	6250	End	16495
Name	OJ990421_32.9919.C7.o3.gs	Method	GENSCAN
Start	6250	End	6575
GI	none	Score	.95
Exons	6250..6496, 6559..6575		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14635	Strand	+
Start	6250	End	16495
Name	OJ990421_32.9919.C7.o2.np	Method	AAT/NAP
Start	6271	End	9930
GI	575605	Score	656
Exons	6271..6496, 7129..7483, 9340..9473, 9655..9930		
GI Descrip.	(D42065) cationic peroxidase isozyme 40K precursor [Nicotiana tabacum]		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14635	Strand	+
Start	6250	End	16495
Name	OJ990421_32.9919.C7.o4.gs	Method	GENSCAN
Start	7123	End	16495
GI	none	Score	.67
Exons	7123..7483, 9340..9464, 9634..9914, 11944..12011, 12920..12974, 13209..13336, 13603..13745, 14027..14859, 14896..15195, 15384..15695, 15814..16081, 16160..16495		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14636	Strand	+
Start	18346	End	19558
Name	OJ990421_32.9919.C7.o6.gs	Method	GENSCAN
Start	18346	End	19558
GI	none	Score	.71
Exons	18346..18384, 19136..19558		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14637	Strand	+
Start	28665	End	29046
Name	OJ990421_32.9919.C7.o2.gp	Method	AAT/GAP
Start	28665	End	29046
GI	uC-osflcyp033a04b1	Score	659
Exons	28665..29046		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14638	Strand	-
Start	17040	End	17810
Name	OJ990421_32.9919.C7.o5.gs	Method	GENSCAN
Start	17040	End	17810
GI	none	Score	.51
Exons	17040..17397, 17656..17810		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14639	Strand	-
Start	20216	End	23271
Name	OJ990421_32.9919.C7.o7.gs	Method	GENSCAN
Start	20216	End	23271
GI	none	Score	.67
Exons	20216..20479, 21151..21440, 21442..21635, 21750..21884, 22196..22561, 22670..23271		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o7.tm	Method	TBLASTX:Maize
Start	44	End	245
GI	none	Score	243
Exons	44..244, 45..245		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	252	End	568
GI	none	Score	80
Exons	252..332, 342..566, 342..560, 347..568		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	765	End	1087
GI	none	Score	237
Exons	765..1013, 786..929, 812..973, 1010..1087, 1018..1062		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o6.tm	Method	TBLASTX:Maize
Start	1306	End	1552
GI	none	Score	243
Exons	1306..1548, 1310..1552		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	6352	End	9933

GI	none	Score	138
Exons	6352..6495, 6371..6496, 7120..7167, 7171..7371, 7173..7370, 7396..7512, 9658..9933, 9745..9930		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	6371	End	9936
GI	none	Score	131
Exons	6371..6496, 6385..6492, 7066..7314, 7128..7307, 7333..7512, 9664..9816, 9826..9936		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	6371	End	9936
GI	none	Score	131
Exons	6371..6496, 7066..7308, 7128..7301, 7333..7512, 9670..9831, 9832..9936		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o3.tw	Method	TBLASTX:Wheat
Start	7120	End	7407
GI	none	Score	58
Exons	7120..7188, 7128..7187, 7164..7307, 7171..7308, 7333..7407		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o6.ts	Method	TBLASTX:Soybean
Start	19975	End	20224
GI	none	Score	52
Exons	19975..20016, 19980..20162, 20053..20160, 20159..20224		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o2.tw	Method	TBLASTX:Wheat
Start	20001	End	20407
GI	none	Score	72
Exons	20001..20165, 20035..20163, 20165..20407		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o4.ts	Method	TBLASTX:Soybean
Start	20767	End	21048
GI	none	Score	65
Exons	20767..20853, 20776..21048		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561

Name	OJ990421_32.9919.C7.o8.tm	Method	TBLASTX:Maize
Start	20797	End	21129
GI	none	Score	190
Exons	20797..21129		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	21455	End	21829
GI	none	Score	78
Exons	21455..21670, 21504..21671, 21692..21829, 21696..21827		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o3.ts	Method	TBLASTX:Soybean
Start	21993	End	22449
GI	none	Score	92
Exons	21993..22124, 22010..22129, 22168..22449, 22343..22411		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	22138	End	22596
GI	none	Score	71
Exons	22138..22596, 22139..22288, 22207..22587, 22343..22594		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o4.tw	Method	TBLASTX:Wheat
Start	22144	End	22464
GI	none	Score	189
Exons	22144..22464		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	22465	End	22869
GI	none	Score	245
Exons	22465..22809, 22465..22818, 22667..22810, 22813..22869, 22837..22869		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o5.tm	Method	TBLASTX:Maize
Start	22597	End	22815
GI	none	Score	155
Exons	22597..22815, 22598..22810		

Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561

Name	OJ990421_32.9919.C7.o5.ts	Method	TBLASTX:Soybean
Start	22666	End	23031
GI	none	Score	140
Exons	22666..22800, 22807..23031		
Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o8.gs	Method	GENSCAN
Start	23447	End	27675
GI	none	Score	.55
Exons	23447..24052, 24314..25030, 25412..25594, 25720..26037, 26089..26589, 27325..27675		
Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o7.ts	Method	TBLASTX:Soybean
Start	23450	End	23779
GI	none	Score	191
Exons	23450..23779		
Seq. No.	6958	Seq. ID	OJ990421_32.9919.C7
Gene No.	14640	Strand	-
Start	23447	End	30561
Name	OJ990421_32.9919.C7.o5.np	Method	AAT/NAP
Start	27293	End	30561
GI	5852180	Score	470
Exons	27293..27741, 27793..27911, 28895..28960, 30522..30561		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14641	Strand	+
Start	183	End	367
Name	OJ990421_32.9919.C8.o1.gs	Method	GENSCAN
Start	183	End	367
GI	none	Score	.89
Exons	183..227, 290..367		
Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	2832
GI	6093743	Score	138
Exons	1..33, 683..939, 1055..1172, 2806..2832		
GI Descrip.	PECTINESTERASE PRECURSOR (PECTIN METHYLESTERASE) (PE) gi 533256 (L27101) pectinesterase [Petunia inflata]		
Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o2.gs	Method	GENSCAN
Start	559	End	7131
GI	none	Score	.54
Exons	559..681, 724..867, 1161..1544, 1656..1689, 2648..2880, 5826..7131		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o3.ts	Method	TBLASTX:Soybean
Start	1314	End	1610
GI	none	Score	209
Exons	1314..1610		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o2.tm	Method	TBLASTX:Maize
Start	1317	End	1623
GI	none	Score	63
Exons	1317..1403, 1320..1436, 1416..1613, 1444..1623, 1483..1614		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.gp	Method	AAT/GAP
Start	2435	End	6233
GI	15861_1.R1084	Score	1557
Exons	2435..2880, 5826..6233		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o2.np	Method	AAT/NAP
Start	2629	End	6824
GI	3738309	Score	1120
Exons	2629..2880, 5826..6824		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o2.tw	Method	TBLASTX:Wheat
Start	2635	End	2882
GI	none	Score	275
Exons	2635..2880, 2636..2881, 2639..2881, 2733..2882		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	2638	End	6398
GI	none	Score	102
Exons	2638..2817, 2693..2812, 2785..2904, 2849..2905, 5829..5855, 5847..6050, 5848..6015, 5919..6038, 6051..6080, 6082..6315, 6087..6155, 6165..6317, 6324..6398, 6325..6390		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143

Name	OJ990421_32.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	2638	End	5909
GI	none	Score	172
Exons	2638..2880, 2639..2881, 2647..2883, 5818..5907, 5826..5909		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o3.tm	Method	TBLASTX:Maize
Start	2638	End	2878
GI	none	Score	239
Exons	2638..2877, 2639..2878		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	5826	End	6503
GI	none	Score	754
Exons	5826..6503, 5833..6492		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	5829	End	6212
GI	none	Score	51
Exons	5829..5870, 5829..6209, 5830..6210, 5919..6212		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	5910	End	6833
GI	none	Score	61
Exons	5910..5972, 5958..6032, 5961..6023, 6024..6155, 6061..6162, 6147..6329, 6172..6315, 6262..6534, 6333..6533, 6705..6833		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o4.tm	Method	TBLASTX:Maize
Start	6696	End	6867
GI	none	Score	171
Exons	6696..6866, 6697..6867		

Seq. No.	6959	Seq. ID	OJ990421_32.9919.C8
Gene No.	14642	Strand	-
Start	1	End	7143
Name	OJ990421_32.9919.C8.o2.gp	Method	AAT/GAP
Start	6764	End	7143
GI	LIB3477-002-P1-K1-F10	Score	740
Exons	6764..7143		
GI Descrip.	'2739368.2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6960	Seq. ID	OJ990421_32.9919.C10
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Gene No.	14643	Strand	+
Start	1	End	1334
Name	OJ990421_32.9919.C10.o1.np	Method	AAT/NAP
Start	1	End	1334
GI	5852180	Score	396
Exons	1..429, 1141..1334		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6960	Seq. ID	OJ990421_32.9919.C10
Gene No.	14644	Strand	-
Start	172	End	377
Name	OJ990421_32.9919.C10.o1.gs	Method	GENSCAN
Start	172	End	377
GI	none	Score	.61
Exons	172..377		

Seq. No.	6961	Seq. ID	OJ990421_32.9919.C13
Gene No.	14645	Strand	+
Start	214	End	278
Name	OJ990421_32.9919.C13.o1.gs	Method	GENSCAN
Start	214	End	278
GI	none	Score	.7
Exons	214..278		

Seq. No.	6961	Seq. ID	OJ990421_32.9919.C13
Gene No.	14646	Strand	+
Start	346	End	450
Name	OJ990421_32.9919.C13.o2.np	Method	AAT/NAP
Start	346	End	450
GI	6721561	Score	68
Exons	346..450		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6961	Seq. ID	OJ990421_32.9919.C13
Gene No.	14647	Strand	-
Start	224	End	698
Name	OJ990421_32.9919.C13.o1.np	Method	AAT/NAP
Start	224	End	698
GI	4680183	Score	125
Exons	224..313, 654..698		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6962	Seq. ID	OJ990421_32.9919.C14
Gene No.	14648	Strand	+
Start	84	End	691
Name	OJ990421_32.9919.C14.o1.np	Method	AAT/NAP
Start	84	End	691
GI	106322	Score	453
Exons	84..691		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	6963	Seq. ID	OJ990421_32.9919.C15
Gene No.	14649	Strand	-

Start 9
 Name OJ990421_32.9919.C15.o1.gs
 Start 9
 GI none
 Exons 9..136, 169..285

End 285
 Method GENSCAN
 End 285
 Score .47

Seq. No. 6964
 Gene No. 14650
 Start 62
 Name OJ990421_29.9923.C1.o1.gs
 Start 62
 GI none
 Exons 62..221

Seq. ID OJ990421_29.9923.C1
 Strand -
 End 221
 Method GENSCAN
 End 221
 Score .9

Seq. No. 6965
 Gene No. 14651
 Start 223
 Name OJ990421_29.9923.C2.o1.gp
 Start 223
 GI none
 Exons 223..516

Seq. ID OJ990421_29.9923.C2
 Strand -
 End 516
 Method AAT/GAP
 End 516
 Score 548

Seq. No. 6966
 Gene No. 14652
 Start 101
 Name OJ990421_29.9923.C3.o1.gs
 Start 101
 GI none
 Exons 101..289, 465..587

Seq. ID OJ990421_29.9923.C3
 Strand -
 End 587
 Method GENSCAN
 End 587
 Score .9

Seq. No. 6967
 Gene No. 14653
 Start 1
 Name OJ990421_29.9923.C5.o4.np
 Start 1
 GI 5902445
 Exons 1..64, 1803..2976
 GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. ID OJ990421_29.9923.C5
 Strand +
 End 2976
 Method AAT/NAP
 End 2976
 Score 1069

Seq. No. 6967
 Gene No. 14653
 Start 1
 Name OJ990421_29.9923.C5.o1.np
 Start 221
 GI 6630699
 Exons 221..303
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. ID OJ990421_29.9923.C5
 Strand +
 End 2976
 Method AAT/NAP
 End 303
 Score 83

Seq. No. 6967
 Gene No. 14653
 Start 1
 Name OJ990421_29.9923.C5.o2.np
 Start 430
 GI 6539570
 Exons 430..666

Seq. ID OJ990421_29.9923.C5
 Strand +
 End 2976
 Method AAT/NAP
 End 666
 Score 186

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14654	Strand	+
Start	6818	End	7199
Name	OJ990421_29.9923.C5.o1.gp	Method	AAT/GAP
Start	6818	End	7199
GI	uC-osflcyp033a04b1	Score	663
Exons	6818..7199		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14655	Strand	-
Start	1	End	3017
Name	OJ990421_29.9923.C5.o3.np	Method	AAT/NAP
Start	1	End	3017
GI	6721512	Score	78
Exons	1..35, 1182..1283, 1311..1402, 2979..3017		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14656	Strand	-
Start	4739	End	11649
Name	OJ990421_29.9923.C5.o5.np	Method	AAT/NAP
Start	4739	End	11649
GI	5852180	Score	592
Exons	4739..4775, 5485..5897, 5949..6067, 7048..7104, 11615..11649		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14656	Strand	-
Start	4739	End	11649
Name	OJ990421_29.9923.C5.o2.gp	Method	AAT/GAP
Start	8196	End	8764
GI	4879016	Score	864
Exons	8196..8764		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14656	Strand	-
Start	4739	End	11649
Name	OJ990421_29.9923.C5.o6.np	Method	AAT/NAP
Start	9052	End	10762
GI	6721561	Score	906
Exons	9052..9799, 9880..9938, 10009..10191, 10693..10762		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14656	Strand	-
Start	4739	End	11649

Name	OJ990421_29.9923.C5.o3.gp	Method	AAT/GAP
Start	9500	End	10035
GI	none	Score	691
Exons	9500..9799, 9880..9938, 10009..10035		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14656	Strand	-
Start	4739	End	11649
Name	OJ990421_29.9923.C5.o7.np	Method	AAT/NAP
Start	10469	End	11221
GI	6907089	Score	283
Exons	10469..11221		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14657	Strand	-
Start	11861	End	13750
Name	OJ990421_29.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	1856	End	2160
GI	none	Score	204
Exons	1856..2083, 1873..2085, 2086..2160, 2088..2159		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14657	Strand	-
Start	11861	End	13750
Name	OJ990421_29.9923.C5.o2.tw	Method	TBLASTX:Wheat
Start	1856	End	2238
GI	none	Score	178
Exons	1856..2083, 1864..2052, 2085..2237, 2086..2238		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14657	Strand	-
Start	11861	End	13750
Name	OJ990421_29.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	2362	End	2967
GI	none	Score	275
Exons	2362..2766, 2376..2444, 2511..2618, 2659..2811, 2836..2967, 2844..2966		

Seq. No.	6967	Seq. ID	OJ990421_29.9923.C5
Gene No.	14657	Strand	-
Start	11861	End	13750
Name	OJ990421_29.9923.C5.o8.np	Method	AAT/NAP
Start	11861	End	13750
GI	6721512	Score	70
Exons	11861..12016, 12044..12135, 13728..13750		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6968	Seq. ID	OJ990421_29.9923.C6
Gene No.	14658	Strand	-
Start	2127	End	3114
Name	OJ990421_29.9923.C6.o1.gs	Method	GENSCAN
Start	2127	End	3114
GI	none	Score	.58
Exons	2127..2462, 2784..2821, 2930..3114		

Seq. No.	6969	Seq. ID	OJ990421_29.9923.C7
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Gene No.	14659	Strand	+
Start	884	End	1565
Name	OJ990421_29.9923.C7.o1.gs	Method	GENSCAN
Start	884	End	1565
GI	none	Score	.81
Exons	884..910, 956..1083, 1248..1565		

Seq. No.	6970	Seq. ID	OJ990421_29.9923.C8
Gene No.	14660	Strand	+
Start	77	End	1995
Name	OJ990421_29.9923.C8.o1.gs	Method	GENSCAN
Start	77	End	1995
GI	none	Score	.55
Exons	77..214, 1927..1995		

Seq. No.	6970	Seq. ID	OJ990421_29.9923.C8
Gene No.	14661	Strand	+
Start	7274	End	9599
Name	OJ990421_29.9923.C8.o1.np	Method	AAT/NAP
Start	7274	End	9599
GI	6539570	Score	158
Exons	7274..7463, 7639..7736, 9511..9599		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6970	Seq. ID	OJ990421_29.9923.C8
Gene No.	14662	Strand	-
Start	5639	End	6870
Name	OJ990421_29.9923.C8.o2.gs	Method	GENSCAN
Start	5639	End	6870
GI	none	Score	.66
Exons	5639..5969, 6785..6870		

Seq. No.	6970	Seq. ID	OJ990421_29.9923.C8
Gene No.	14663	Strand	-
Start	7310	End	7690
Name	OJ990421_29.9923.C8.o3.gs	Method	GENSCAN
Start	7310	End	7690
GI	none	Score	.68
Exons	7310..7442, 7635..7690		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14664	Strand	+
Start	67	End	172
Name	OJ990421_29.9923.C11.o1.gp	Method	AAT/GAP
Start	67	End	172
GI	5816518	Score	154
Exons	67..172		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14665	Strand	+
Start	1828	End	2226
Name	OJ990421_29.9923.C11.o1.gs	Method	GENSCAN
Start	1828	End	2226
GI	none	Score	.41
Exons	1828..1961, 2097..2226		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14666	Strand	+
Start	8147	End	9154
Name	OJ990421_29.9923.C11.o3.gs	Method	GENSCAN
Start	8147	End	9154
GI	none	Score	.64
Exons	8147..8198, 9051..9154		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14667	Strand	+
Start	14891	End	15421
Name	OJ990421_29.9923.C11.o5.gs	Method	GENSCAN
Start	14891	End	15421
GI	none	Score	.72
Exons	14891..15421		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14668	Strand	+
Start	16120	End	16720
Name	OJ990421_29.9923.C11.o6.gs	Method	GENSCAN
Start	16120	End	16720
GI	none	Score	.56
Exons	16120..16247, 16307..16470, 16566..16720		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14669	Strand	-
Start	1632	End	6787
Name	OJ990421_29.9923.C11.o1.np	Method	AAT/NAP
Start	1632	End	5213
GI	5091513	Score	1550
Exons	1632..1823, 2586..2725, 2851..3954, 4691..5213		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14669	Strand	-
Start	1632	End	6787
Name	OJ990421_29.9923.C11.o2.gs	Method	GENSCAN
Start	2342	End	6787
GI	none	Score	.6
Exons	2342..2560, 2565..2625, 2664..2754, 2779..3613, 3653..3935, 4887..5124, 5803..5880, 6727..6787		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14669	Strand	-
Start	1632	End	6787
Name	OJ990421_29.9923.C11.o2.gp	Method	AAT/GAP
Start	6449	End	6556
GI	5816518	Score	155
Exons	6449..6556		
GI Descrip.	4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14670	Strand	-
Start	12467	End	13629
Name	OJ990421_29.9923.C11.o4.gs	Method	GENSCAN

Start	12467	End	13629
GI	none	Score	.47
Exons	12467..12588, 13194..13341, 13579..13629		

Seq. No.	6971	Seq. ID	OJ990421_29.9923.C11
Gene No.	14671	Strand	-
Start	17841	End	18071
Name	OJ990421_29.9923.C11.o7.gs	Method	GENSCAN
Start	17841	End	18071
GI	none	Score	.8
Exons	17841..18006, 18034..18071		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14672	Strand	+
Start	358	End	639
Name	OJ990421_29.9923.C12.o1.gs	Method	GENSCAN
Start	358	End	639
GI	none	Score	.8
Exons	358..639		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14673	Strand	+
Start	1614	End	7082
Name	OJ990421_29.9923.C12.o2.gs	Method	GENSCAN
Start	1614	End	7082
GI	none	Score	.48
Exons	1614..1733, 1780..1836, 2094..2178, 4367..4464, 4470..4703, 4900..4948, 6784..7082		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14673	Strand	+
Start	1614	End	7082
Name	OJ990421_29.9923.C12.o1.np	Method	AAT/NAP
Start	1849	End	5745
GI	6063554	Score	460
Exons	1849..1883, 3991..4268, 4386..4608, 4925..4952, 5571..5745		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14673	Strand	+
Start	1614	End	7082
Name	OJ990421_29.9923.C12.o1.gp	Method	AAT/GAP
Start	5155	End	5585
GI	2428185	Score	748
Exons	5155..5585		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14673	Strand	+
Start	1614	End	7082
Name	OJ990421_29.9923.C12.o2.np	Method	AAT/NAP
Start	5196	End	6733
GI	5032266	Score	137
Exons	5196..5228, 6413..6733		

GI Descrip. (AF147265) similar to Arabidopsis thaliana putative En/Spm transposon protein (GB:AC005396)

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14673	Strand	+
Start	1614	End	7082
Name	OJ990421_29.9923.C12.o2.gp	Method	AAT/GAP
Start	6134	End	6446
GI	61605_3.R1084	Score	444
Exons	6134..6446		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14674	Strand	+
Start	8208	End	11330
Name	OJ990421_29.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	6433	End	6757
GI	none	Score	82
Exons	6433..6474, 6474..6710, 6479..6757, 6487..6699		

Seq. No.	6972	Seq. ID	OJ990421_29.9923.C12
Gene No.	14674	Strand	+
Start	8208	End	11330
Name	OJ990421_29.9923.C12.o3.gs	Method	GENSCAN
Start	8208	End	11330
GI	none	Score	.64
Exons	8208..8285, 9161..9265, 9286..9501, 9546..9767, 10761..11330		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14675	Strand	+
Start	2592	End	15757
Name	OJ990421_29.9923.C13.o4.np	Method	AAT/NAP
Start	2592	End	15757
GI	5902444	Score	973
Exons	2592..2748, 13232..13396, 13814..15338, 15588..15757		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14675	Strand	+
Start	2592	End	15757
Name	OJ990421_29.9923.C13.o3.np	Method	AAT/NAP
Start	3492	End	11080
GI	6691191	Score	573
Exons	3492..3547, 7061..7739, 11053..11080		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14675	Strand	+
Start	2592	End	15757
Name	OJ990421_29.9923.C13.o5.np	Method	AAT/NAP
Start	13669	End	15355
GI	6498441	Score	503
Exons	13669..14637, 14905..15355		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14676	Strand	-
Start	2028	End	5635
Name	OJ990421_29.9923.C13.o1.np	Method	AAT/NAP
Start	2028	End	5635
GI	4539452	Score	1469
Exons	2028..4275, 5538..5635		
GI Descrip.	(AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14677	Strand	-
Start	6493	End	8398
Name	OJ990421_29.9923.C13.o2.gs	Method	GENSCAN
Start	6493	End	8398
GI	none	Score	.49
Exons	6493..6615, 6697..6791, 6969..7122, 7634..7747, 8312..8398		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	1983	End	2898
GI	none	Score	65
Exons	1983..2102, 2094..2591, 2098..2244, 2430..2489, 2598..2672, 2599..2688, 2688..2897, 2689..2736, 2773..2898		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	2025	End	2768
GI	none	Score	84
Exons	2025..2102, 2094..2591, 2098..2244, 2433..2573, 2598..2660, 2605..2658, 2688..2768, 2689..2730		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	2145	End	2672
GI	none	Score	120
Exons	2145..2591, 2148..2489, 2598..2672		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o2.tc	Method	TBLASTX:Cress
Start	2742	End	3350
GI	none	Score	50
Exons	2742..2822, 2785..2823, 2832..2999, 2836..3000, 3030..3173, 3030..3188, 3034..3189, 3201..3350		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535

Name	OJ990421_29.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	2770	End	3143
GI	none	Score	127
Exons	2770..3000, 2775..3002, 2805..3020, 3022..3141, 3030..3140, 3030..3143, 3034..3141		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	2800	End	3180
GI	none	Score	125
Exons	2800..3000, 2804..2965, 2805..2999, 3030..3173, 3030..3179, 3034..3180		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	2919	End	3203
GI	none	Score	60
Exons	2919..3002, 2935..3000, 3030..3179, 3030..3203, 3034..3189		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	3796	End	4204
GI	none	Score	44
Exons	3796..3843, 3853..3906, 3856..3906, 3910..4098, 3919..4065, 4093..4158, 4097..4159, 4160..4204		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o4.ts	Method	TBLASTX:Soybean
Start	3940	End	4239
GI	none	Score	51
Exons	3940..4098, 3941..4015, 4093..4158, 4094..4159, 4160..4237, 4162..4239		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o3.tc	Method	TBLASTX:Cress
Start	4021	End	4275
GI	none	Score	61
Exons	4021..4098, 4093..4158, 4094..4159, 4157..4270, 4160..4270, 4161..4271, 4162..4275		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	7282	End	7686
GI	none	Score	396
Exons	7282..7686, 7285..7656		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	7282	End	7704
GI	none	Score	391
Exons	7282..7704, 7378..7695		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	13816	End	14208
GI	none	Score	56
Exons	13816..13860, 13861..13974, 13863..13922, 13948..14208, 13980..14153		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	13834	End	14094
GI	none	Score	192
Exons	13834..14094		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o6.np	Method	AAT/NAP
Start	14407	End	16469
GI	6721561	Score	68
Exons	14407..14429, 16383..16469		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	14842	End	16535
GI	none	Score	141
Exons	14842..15024, 14850..15023, 15061..15297, 15066..15248, 15097..15276, 16410..16535		

Seq. No.	6973	Seq. ID	OJ990421_29.9923.C13
Gene No.	14678	Strand	-
Start	14407	End	16535
Name	OJ990421_29.9923.C13.o5.tw	Method	TBLASTX:Wheat
Start	15413	End	15619
GI	none	Score	178
Exons	15413..15619, 15427..15579		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
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Gene No.	14679	Strand	+
Start	1	End	8091
Name	OJ990421_29.9923.C14.o3.np	Method	AAT/NAP
Start	1	End	8091
GI	4680183	Score	173
Exons	1..25, 7411..7481, 8002..8091		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14680	Strand	+
Start	8783	End	13007
Name	OJ990421_29.9923.C14.o2.gs	Method	GENSCAN
Start	8783	End	13007
GI	none	Score	.75
Exons	8783..8933, 9069..9224, 9251..9800, 10325..10672, 10793..10907, 11608..11936, 11941..12091, 12882..13007		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14680	Strand	+
Start	8783	End	13007
Name	OJ990421_29.9923.C14.o4.np	Method	AAT/NAP
Start	10268	End	12171
GI	5902445	Score	1424
Exons	10268..10852, 10892..12171		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14681	Strand	-
Start	19	End	7969
Name	OJ990421_29.9923.C14.o1.gs	Method	GENSCAN
Start	19	End	7969
GI	none	Score	.82
Exons	19..136, 280..538, 1123..1574, 1890..1957, 2194..5279, 5412..5546, 5729..5744, 5811..6018, 6146..6737, 7865..7969		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14681	Strand	-
Start	19	End	7969
Name	OJ990421_29.9923.C14.o1.np	Method	AAT/NAP
Start	988	End	5546
GI	4680179	Score	7397
Exons	988..5546		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14681	Strand	-
Start	19	End	7969
Name	OJ990421_29.9923.C14.o2.np	Method	AAT/NAP
Start	5807	End	6671
GI	5042448	Score	1235
Exons	5807..6671		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008

Name	OJ990421_29.9923.C14.o6.tw	Method	TBLASTX:Wheat
Start	1033	End	1365
GI	none	Score	58
Exons	1033..1365, 1151..1273, 1258..1338		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	1213	End	1808
GI	none	Score	259
Exons	1213..1638, 1238..1639, 1647..1808, 1654..1800		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	1366	End	11643
GI	none	Score	189
Exons	1366..1635, 1367..1639, 1641..1841, 1641..1988, 1642..1986, 11488..11643		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o3.tm	Method	TBLASTX:Maize
Start	1857	End	2147
GI	none	Score	241
Exons	1857..2147, 1861..2133		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	1947	End	2207
GI	none	Score	142
Exons	1947..2207, 1948..2202		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o3.tw	Method	TBLASTX:Wheat
Start	1995	End	11317
GI	none	Score	224
Exons	1995..2474, 1996..2250, 2028..2441, 11201..11317		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o2.tw	Method	TBLASTX:Wheat
Start	2478	End	2987
GI	none	Score	361
Exons	2478..2987, 2569..2985		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008

Name	OJ990421_29.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	2557	End	2916
GI	none	Score	262
Exons	2557..2862, 2562..2915, 2569..2916		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o3.ts	Method	TBLASTX:Soybean
Start	2736	End	2981
GI	none	Score	79
Exons	2736..2981, 2737..2976		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o5.tm	Method	TBLASTX:Maize
Start	2916	End	3269
GI	none	Score	110
Exons	2916..3269, 2917..3201		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o5.tw	Method	TBLASTX:Wheat
Start	2988	End	8726
GI	none	Score	214
Exons	2988..3269, 2989..3270, 3132..3290, 3200..3289, 8634..8726		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	3003	End	3398
GI	none	Score	130
Exons	3003..3362, 3004..3261, 3132..3362, 3313..3366, 3366..3398, 3367..3396		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o4.tm	Method	TBLASTX:Maize
Start	3315	End	3752
GI	none	Score	345
Exons	3315..3752		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o4.tw	Method	TBLASTX:Wheat
Start	3339	End	3821
GI	none	Score	259
Exons	3339..3821, 3382..3717		
Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008

Name	OJ990421_29.9923.C14.o9.tw	Method	TBLASTX:Wheat
Start	3975	End	4397
GI	none	Score	106
Exons	3975..4145, 3985..4140, 4206..4397, 4232..4348, 4252..4350, 4254..4364		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o7.tm	Method	TBLASTX:Maize
Start	4743	End	5039
GI	none	Score	46
Exons	4743..5039, 4755..4811, 4852..5022		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o7.tw	Method	TBLASTX:Wheat
Start	4920	End	5280
GI	none	Score	65
Exons	4920..5066, 4920..5279, 4921..5154, 5179..5280		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o10.tw	Method	TBLASTX:Wheat
Start	10272	End	10685
GI	none	Score	113
Exons	10272..10373, 10328..10363, 10416..10685, 10451..10492		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o5.np	Method	AAT/NAP
Start	10286	End	14205
GI	5042463	Score	163
Exons	10286..10330, 12815..12929, 12981..13115, 13779..14205		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o6.tm	Method	TBLASTX:Maize
Start	11055	End	11359
GI	none	Score	137
Exons	11055..11207, 11072..11203, 11201..11359, 11206..11346		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o8.tw	Method	TBLASTX:Wheat
Start	11644	End	12162
GI	none	Score	250
Exons	11644..12006, 11703..11810, 12031..12162		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-

Start	10286	End	18008
Name	OJ990421_29.9923.C14.o8.tm	Method	TBLASTX:Maize
Start	11776	End	12039
GI	none	Score	185
Exons	11776..12039		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o7.np	Method	AAT/NAP
Start	13506	End	18008
GI	6907089	Score	279
Exons	13506..13555, 14144..14187, 16973..17637, 17925..18008		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o3.gs	Method	GENSCAN
Start	14354	End	17598
GI	none	Score	.73
Exons	14354..14531, 14940..15122, 15380..15531, 15733..15984, 16225..16574, 16836..17598		

Seq. No.	6974	Seq. ID	OJ990421_29.9923.C14
Gene No.	14682	Strand	-
Start	10286	End	18008
Name	OJ990421_29.9923.C14.o6.np	Method	AAT/NAP
Start	15248	End	17343
GI	6721561	Score	446
Exons	15248..16009, 16082..16140, 16225..16418, 17275..17343		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6975	Seq. ID	OJ990421_29.9923.C16
Gene No.	14683	Strand	+
Start	53	End	789
Name	OJ990421_29.9923.C16.o1.gs	Method	GENSCAN
Start	53	End	789
GI	none	Score	.44
Exons	53..116, 770..789		

Seq. No.	6976	Seq. ID	OJ990421_29.9923.C17
Gene No.	14684	Strand	-
Start	453	End	836
Name	OJ990421_29.9923.C17.o1.gp	Method	AAT/GAP
Start	453	End	836
GI	LIB3432-059-P1-K1-D8	Score	526
Exons	453..836		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6977	Seq. ID	OJ990421_29.9923.C18
Gene No.	14685	Strand	+

Start 413
 Name OJ990421_29.9923.C18.o1.gs
 Start 413
 GI none
 Exons 413..554

End 554
 Method GENSCAN
 End 554
 Score .73

Seq. No. 6978
 Gene No. 14686
 Start 560
 Name OJ990421_29.9923.C20.o1.gs
 Start 560
 GI none
 Exons 560..651

Seq. ID OJ990421_29.9923.C20
 Strand +
 End 651
 Method GENSCAN
 End 651
 Score .94

Seq. No. 6979
 Gene No. 14687
 Start 1
 Name OJ990501_21.9922.C1.o1.np
 Start 1
 GI 4514635
 Exons 1..589
 GI Descrip. (AB021175) root cap protein 1 [Zea mays]

Seq. ID OJ990501_21.9922.C1
 Strand -
 End 701
 Method AAT/NAP
 End 589
 Score 730

Seq. No. 6979
 Gene No. 14687
 Start 1
 Name OJ990501_21.9922.C1.o1.tc
 Start 9
 GI none
 Exons 9..179, 28..183, 255..422, 277..420, 504..524, 531..575

Seq. ID OJ990501_21.9922.C1
 Strand -
 End 701
 Method TBLASTX:Cress
 End 575
 Score 93

Seq. No. 6979
 Gene No. 14687
 Start 1
 Name OJ990501_21.9922.C1.o2.ts
 Start 9
 GI none
 Exons 9..194, 28..186

Seq. ID OJ990501_21.9922.C1
 Strand -
 End 701
 Method TBLASTX:Soybean
 End 194
 Score 86

Seq. No. 6979
 Gene No. 14687
 Start 1
 Name OJ990501_21.9922.C1.o1.gs
 Start 15
 GI none
 Exons 15..589

Seq. ID OJ990501_21.9922.C1
 Strand -
 End 701
 Method GENSCAN
 End 589
 Score 1

Seq. No. 6979
 Gene No. 14687
 Start 1
 Name OJ990501_21.9922.C1.o1.ts
 Start 315
 GI none
 Exons 315..524, 337..492, 525..575

Seq. ID OJ990501_21.9922.C1
 Strand -
 End 701
 Method TBLASTX:Soybean
 End 575
 Score 92

Seq. No. 6979
 Gene No. 14687

Seq. ID OJ990501_21.9922.C1
 Strand -

Start	1	End	701
Name	OJ990501_21.9922.C1.o1.gp	Method	AAT/GAP
Start	410	End	589
GI	uC-osrocyp015e08b1	Score	358
Exons	410..589		
GI Descrip.	'5902181/gb AAD01211.2 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	6979	Seq. ID	OJ990501_21.9922.C1
Gene No.	14687	Strand	-
Start	1	End	701
Name	OJ990501_21.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	417	End	597
GI	none	Score	88
Exons	417..596, 418..492, 544..597		

Seq. No.	6979	Seq. ID	OJ990501_21.9922.C1
Gene No.	14687	Strand	-
Start	1	End	701
Name	OJ990501_21.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	456	End	701
GI	none	Score	45
Exons	456..599, 457..492, 544..600, 678..701		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14688	Strand	+
Start	183	End	10340
Name	OJ990501_21.9922.C2.o1.gs	Method	GENSCAN
Start	183	End	10340
GI	none	Score	.79
Exons	183..652, 929..1068, 1122..1233, 3382..3561, 5022..5102, 5638..5759, 6615..7471, 8404..8645, 8855..8948, 9054..9224, 9520..9697, 9733..10340		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14688	Strand	+
Start	183	End	10340
Name	OJ990501_21.9922.C2.o1.gp	Method	AAT/GAP
Start	977	End	3790
GI	33042_1.R1084	Score	1131
Exons	977..1069, 2540..2591, 3021..3060, 3141..3225, 3382..3790		
GI Descrip.	'6006892/gb AAF00667.1 AC008153_19 2.0e-57 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14688	Strand	+
Start	183	End	10340
Name	OJ990501_21.9922.C2.o1.np	Method	AAT/NAP
Start	2494	End	3562
GI	6006892	Score	449
Exons	2494..2591, 3021..3060, 3141..3225, 3382..3562		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14688	Strand	+
Start	183	End	10340
Name	OJ990501_21.9922.C2.o2.np	Method	AAT/NAP

Start	6752	End	9254
GI	3342242	Score	1854
Exons	6752..7471, 8158..8320, 8408..8645, 8855..8948, 9054..9254		
GI Descrip.	(AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum]		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14689	Strand	+
Start	15584	End	17074
Name	OJ990501_21.9922.C2.o3.gs	Method	GENSCAN
Start	15584	End	17074
GI	none	Score	.99
Exons	15584..16067, 16080..17074		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14690	Strand	-
Start	11308	End	12056
Name	OJ990501_21.9922.C2.o2.gs	Method	GENSCAN
Start	11308	End	12056
GI	none	Score	.64
Exons	11308..11636, 11966..12056		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14691	Strand	-
Start	15657	End	17179
Name	OJ990501_21.9922.C2.o3.np	Method	AAT/NAP
Start	15657	End	17179
GI	4678208	Score	1461
Exons	15657..17179		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	2540	End	3818
GI	none	Score	71
Exons	2540..2590, 2541..2591, 2560..2607, 3003..3059, 3020..3058, 3130..3228, 3137..3229, 3382..3564, 3383..3565, 3619..3675, 3780..3818		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	2541	End	3568
GI	none	Score	72
Exons	2541..2591, 3003..3059, 3020..3055, 3130..3225, 3137..3229, 3383..3568, 3391..3564		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o6.tc	Method	TBLASTX:Cress
Start	2541	End	3568
GI	none	Score	73
Exons	2541..2591, 3003..3092, 3130..3228, 3137..3229, 3398..3442,		

3439..3564, 3440..3568

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	5588	End	9247
GI	none	Score	44
Exons	5588..5632, 5648..5758, 5649..5756, 5650..5757, 6613..7476, 6614..7471, 6825..7472, 7330..7473, 8151..8318, 8152..8319, 8400..8528, 8401..8529, 8402..8545, 8526..8720, 8527..8628, 8596..8655, 8847..8933, 8855..8926, 9053..9136, 9054..9137, 9080..9247, 9081..9230		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	5588	End	9247
GI	none	Score	44
Exons	5588..5632, 5648..5758, 5649..5756, 5650..5757, 6613..7476, 6614..7471, 7330..7473, 8151..8318, 8152..8319, 8400..8528, 8401..8529, 8526..8720, 8527..8628, 8596..8655, 8847..8933, 8855..8926, 9053..9136, 9054..9137, 9080..9247, 9081..9230		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	5693	End	9230
GI	none	Score	93
Exons	5693..5758, 6608..6727, 6610..6948, 6614..6946, 6956..7201, 6974..7159, 7220..7246, 7253..7306, 7261..7467, 7337..7468, 8152..8256, 8160..8255, 8401..8469, 8476..8610, 8508..8591, 8587..8655, 9053..9121, 9054..9230		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	5717	End	6838
GI	none	Score	60
Exons	5717..5758, 6610..6684, 6614..6685, 6679..6837, 6680..6838		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	9887	End	10316
GI	none	Score	259
Exons	9887..10042, 9888..10316		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	15719	End	16610

GI	none	Score	68
Exons	15719..15796, 15719..16030, 15798..16028, 16058..16393, 16059..16394, 16397..16609, 16398..16610		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o4.tc	Method	TBLASTX:Cress
Start	15719	End	15940
GI	none	Score	257
Exons	15719..15940		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	15731	End	17053
GI	none	Score	391
Exons	15731..16378, 15798..16379, 16385..17053, 16386..17039		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	16214	End	16672
GI	none	Score	143
Exons	16214..16672, 16239..16442, 16403..16555, 16512..16625		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	16398	End	16682
GI	none	Score	198
Exons	16398..16682, 16400..16681		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	16610	End	17053
GI	none	Score	393
Exons	16610..17053, 16611..17039		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o5.tc	Method	TBLASTX:Cress
Start	16794	End	17039
GI	none	Score	152
Exons	16794..17039, 16796..17038		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o2.gp	Method	AAT/GAP
Start	17741	End	18152

GI	4716889	Score	502
Exons	17741..18152		
GI Descrip.	2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana]		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	17959	End	18278
GI	none	Score	202
Exons	17959..18075, 17960..18079, 17960..18079, 17961..18080, 17961..18080, 18135..18278, 18168..18275		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	17959	End	18276
GI	none	Score	202
Exons	17959..18075, 17960..18079, 17961..18080, 17962..18081, 18168..18275, 18169..18276		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	17960	End	18282
GI	none	Score	174
Exons	17960..18079, 17962..18075, 18147..18278, 18168..18275, 18169..18279, 18169..18282		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o3.tc	Method	TBLASTX:Cress
Start	17962	End	18304
GI	none	Score	167
Exons	17962..18075, 17963..18079, 17970..18080, 18135..18278, 18168..18275, 18169..18279, 18170..18304		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o4.gs	Method	GENSCAN
Start	17962	End	18275
GI	none	Score	.99
Exons	17962..18078, 18171..18275		

Seq. No.	6980	Seq. ID	OJ990501_21.9922.C2
Gene No.	14692	Strand	-
Start	17962	End	18304
Name	OJ990501_21.9922.C2.o4.np	Method	AAT/NAP
Start	17965	End	18275
GI	3738278	Score	303

Exons	17965..18078, 18171..18275		
GI Descrip.	(AC005309) putative small nuclear ribonucleoprotein D2 [Arabidopsis thaliana]		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14693	Strand	+
Start	1	End	2301
Name	OJ990501_21.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	2301
GI	3548810	Score	251
Exons	1..152, 262..656, 2251..2301		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	267	End	653
GI	none	Score	68
Exons	267..305, 315..422, 453..530, 591..653		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	270	End	653
GI	none	Score	48
Exons	270..305, 315..422, 456..653		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	270	End	644
GI	none	Score	51
Exons	270..305, 315..422, 435..644, 473..643		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o2.np	Method	AAT/NAP
Start	2787	End	8512
GI	3135269	Score	316
Exons	2787..2854, 3247..3563, 3647..3898, 4558..4796, 4988..5180, 5423..6191, 6295..6364, 6462..6511, 6610..6708, 8196..8229, 8448..8512		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		
Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o2.gs	Method	GENSCAN
Start	3257	End	8485
GI	none	Score	.68
Exons	3257..3477, 3647..3887, 4508..4809, 5004..5180, 5426..5643, 5878..6190, 6270..6343, 6462..6524, 6620..6708, 7030..7677,		

8411..8485

Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	5423	End	5675
GI	none	Score	130
Exons	5423..5509, 5424..5657, 5425..5514, 5430..5516, 5505..5675, 5513..5674		

Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	6084	End	6747
GI	none	Score	62
Exons	6084..6158, 6087..6146, 6146..6190, 6147..6188, 6258..6365, 6268..6366, 6459..6524, 6462..6527, 6618..6746, 6619..6711, 6619..6747		

Seq. No.	6981	Seq. ID	OJ990501_21.9922.C3
Gene No.	14694	Strand	+
Start	3257	End	8512
Name	OJ990501_21.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	7256	End	8488
GI	none	Score	100
Exons	7256..7393, 7258..7377, 7262..7393, 7275..7400, 7398..7679, 7403..7675, 7409..7696, 7420..7680, 8411..8488, 8411..8488		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	2049
GI	3135269	Score	163
Exons	1..42, 595..675, 1062..1403, 1471..1734, 1772..2049		
GI Descrip.	(AC003058) unknown protein [Arabidopsis thaliana]		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o1.gs	Method	GENSCAN
Start	393	End	2049
GI	none	Score	.87
Exons	393..540, 624..681, 1062..1260, 1353..1418, 1565..2049		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o2.np	Method	AAT/NAP
Start	1626	End	5292
GI	3695059	Score	713
Exons	1626..1672, 2896..3068, 3153..3709, 5274..5292		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
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Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o1.gp	Method	AAT/GAP
Start	1648	End	1998
GI	21137_1.R1084	Score	639
Exons	1648..1998		
GI Descrip.	'5902181/gb AAD01211.2 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o2.gs	Method	GENSCAN
Start	2872	End	3732
GI	none	Score	.92
Exons	2872..3068, 3153..3732		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14695	Strand	+
Start	1	End	5700
Name	OJ990501_21.9922.C4.o3.gs	Method	GENSCAN
Start	4020	End	5700
GI	none	Score	.6
Exons	4020..4065, 4272..4721, 5197..5268, 5362..5471, 5665..5700		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14696	Strand	+
Start	8553	End	10565
Name	OJ990501_21.9922.C4.o5.gs	Method	GENSCAN
Start	8553	End	10565
GI	none	Score	.55
Exons	8553..8962, 9046..9158, 9304..9551, 9627..9752, 10548..10565		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	615	End	1715
GI	none	Score	85
Exons	615..680, 622..678, 1061..1249, 1095..1250, 1120..1254, 1135..1257, 1362..1442, 1363..1422, 1564..1617, 1564..1653, 1668..1715		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	1863	End	2049
GI	none	Score	187
Exons	1863..2048, 1930..2049		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	2943	End	3711
GI	none	Score	140

Exons 2943..3068, 2944..3045, 3150..3227, 3151..3360, 3273..3449,
3360..3710, 3361..3711

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	3147	End	3609
GI	none	Score	239
Exons	3147..3356, 3151..3357, 3363..3479, 3364..3609		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	3160	End	3636
GI	none	Score	247
Exons	3160..3360, 3162..3227, 3273..3359, 3360..3623, 3361..3636		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	3412	End	3711
GI	none	Score	282
Exons	3412..3711, 3543..3710		

Seq. No.	6982	Seq. ID	OJ990501_21.9922.C4
Gene No.	14697	Strand	-
Start	7776	End	8129
Name	OJ990501_21.9922.C4.o4.gs	Method	GENSCAN
Start	7776	End	8129
GI	none	Score	.98
Exons	7776..8129		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14698	Strand	+
Start	11822	End	25444
Name	OJ990501_21.9922.C5.o2.gs	Method	GENSCAN
Start	11822	End	25444
GI	none	Score	.58
Exons	11822..12207, 12280..12413, 12532..12688, 13728..13995, 15814..16975, 17328..17521, 17553..17690, 17781..17837, 18072..18113, 22075..22947, 23087..23296, 23983..24090, 24476..24568, 24662..24772, 24868..24900, 24978..25028, 25346..25444		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14698	Strand	+
Start	11822	End	25444
Name	OJ990501_21.9922.C5.o3.gp	Method	AAT/GAP
Start	21709	End	21974
GI	4878182	Score	532
Exons	21709..21974		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14698	Strand	+

Start	11822	End	25444
Name	OJ990501_21.9922.C5.o4.gp	Method	AAT/GAP
Start	23097	End	24549
GI	4880863	Score	892
Exons	23097..23296, 23983..24090, 24181..24222, 24301..24396, 24476..24549		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14699	Strand	+
Start	26722	End	31940
Name	OJ990501_21.9922.C5.o3.gs	Method	GENSCAN
Start	26722	End	31940
GI	none	Score	.58
Exons	26722..26968, 27186..27321, 27743..27784, 28815..28899, 29205..29337, 29424..29605, 29892..30004, 30221..30287, 30585..30676, 30810..31004, 31835..31940		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14699	Strand	+
Start	26722	End	31940
Name	OJ990501_21.9922.C5.o3.np	Method	AAT/NAP
Start	26869	End	30103
GI	4101591	Score	839
Exons	26869..26968, 27186..27321, 27785..28057, 28392..28539, 28660..28899, 29205..29337, 29424..29605, 29892..30103		
GI Descrip.	(AF005051) aspartyl aminopeptidase [Mus musculus]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14699	Strand	+
Start	26722	End	31940
Name	OJ990501_21.9922.C5.o5.gp	Method	AAT/GAP
Start	29288	End	29851
GI	2801262	Score	376
Exons	29288..29337, 29424..29603, 29829..29851		
GI Descrip.	5902181/gb AAD01211.2 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14700	Strand	+
Start	34663	End	35118
Name	OJ990501_21.9922.C5.o6.gp	Method	AAT/GAP
Start	34663	End	35118
GI	LIB3432-052-P1-K1-G9	Score	580
Exons	34663..34715, 34750..35118		
GI Descrip.	'4263696/gb AAD15382 4.0e-18 (AC006223) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14701	Strand	+
Start	43420	End	44838
Name	OJ990501_21.9922.C5.o8.gp	Method	AAT/GAP
Start	43361	End	43975
GI	uC-osrocyp015e08b1	Score	984
Exons	43361..43690, 43796..43975		
GI Descrip.	'5902181/gb AAD01211.2 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14701	Strand	+
Start	43420	End	44838
Name	OJ990501_21.9922.C5.o10.np	Method	AAT/NAP
Start	43411	End	44592
GI	4514637	Score	716
Exons	43411..43675, 43796..44592		
GI Descrip.	(AB021176) root cap protein 2 [Zea mays]		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14701	Strand	+
Start	43420	End	44838
Name	OJ990501_21.9922.C5.o7.gs	Method	GENSCAN
Start	43420	End	44838
GI	none	Score	.72
Exons	43420..43690, 43796..44042, 44052..44496, 44818..44838		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14701	Strand	+
Start	43420	End	44838
Name	OJ990501_21.9922.C5.o9.gp	Method	AAT/GAP
Start	44297	End	44714
GI	23112_1.R1084	Score	832
Exons	44297..44714		
GI Descrip.	'4514635/dbj BAA75476.1 3.0e-23 (AB021175) root cap protein 1 [Zea mays]'		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14702	Strand	+
Start	47561	End	50982
Name	OJ990501_21.9922.C5.o11.np	Method	AAT/NAP
Start	47551	End	49558
GI	4514637	Score	699
Exons	47551..47735, 47792..47858, 47955..48624, 49447..49558		
GI Descrip.	(AB021176) root cap protein 2 [Zea mays]		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14702	Strand	+
Start	47561	End	50982
Name	OJ990501_21.9922.C5.o8.gs	Method	GENSCAN
Start	47561	End	48675
GI	none	Score	1
Exons	47561..47858, 47948..48675		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14702	Strand	+
Start	47561	End	50982
Name	OJ990501_21.9922.C5.o13.np	Method	AAT/NAP
Start	48050	End	50982
GI	6523547	Score	317
Exons	48050..48671, 49614..49862, 50102..50211, 50308..50360, 50770..50982		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14702	Strand	+

Start	47561	End	50982
Name	OJ990501_21.9922.C5.o12.np		Method AAT/NAP
Start	49137	End	49237
GI	5777617	Score	68
Exons	49137..49237		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14703	Strand	+
Start	52468	End	58880
Name	OJ990501_21.9922.C5.o10.gs	Method	GENSCAN
Start	52468	End	57150
GI	none	Score	.65
Exons	52468..52622, 52745..52795, 52903..53029, 53373..53508, 54974..55119, 57058..57150		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14703	Strand	+
Start	52468	End	58880
Name	OJ990501_21.9922.C5.o15.np	Method	AAT/NAP
Start	52492	End	58880
GI	6598633	Score	414
Exons	52492..52674, 52757..52795, 54364..54452, 54541..54700, 54982..55119, 55533..55938, 56307..56450, 56622..56767, 57802..58017, 58544..58698, 58855..58880		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14704	Strand	-
Start	227	End	8787
Name	OJ990501_21.9922.C5.o1.gs	Method	GENSCAN
Start	227	End	8656
GI	none	Score	.63
Exons	227..260, 1112..1183, 4897..5101, 6156..6204, 7459..7547, 8281..8656		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14704	Strand	-
Start	227	End	8787
Name	OJ990501_21.9922.C5.o1.gp	Method	AAT/GAP
Start	2079	End	2824
GI	3763448	Score	722
Exons	2079..2264, 2345..2433, 2531..2594, 2723..2824		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14704	Strand	-
Start	227	End	8787
Name	OJ990501_21.9922.C5.o1.np	Method	AAT/NAP
Start	5544	End	8787
GI	131136	Score	657
Exons	5544..6149, 8747..8787		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi 72671 pir A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi 11982 emb CAA33996 (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi 226605 prf 1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No. 6983
 Gene No. 14704
 Start 227
 Name OJ990501_21.9922.C5.o2.gp
 Start 6385
 GI 572451
 Exons 6385..6837

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 8787
 Method AAT/GAP
 End 6837
 Score 893

Seq. No. 6983
 Gene No. 14704
 Start 227
 Name OJ990501_21.9922.C5.o2.np
 Start 7092
 GI 6523547
 Exons 7092..7108, 7349..7412, 8337..8655

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 8787
 Method AAT/NAP
 End 8655
 Score 108

GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No. 6983
 Gene No. 14705
 Start 30531
 Name OJ990501_21.9922.C5.o4.np
 Start 30531
 GI 6815062
 Exons 30531..30642, 30868..30997, 35051..35093

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 42960
 Method AAT/NAP
 End 35093
 Score 210

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]

Seq. No. 6983
 Gene No. 14705
 Start 30531
 Name OJ990501_21.9922.C5.o5.np
 Start 30531
 GI 6815062
 Exons 30531..30642, 30868..31007, 35257..35346

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 42960
 Method AAT/NAP
 End 35346
 Score 214

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudra like protein (AC004561) [Oryza sativa]

Seq. No. 6983
 Gene No. 14705
 Start 30531
 Name OJ990501_21.9922.C5.o4.gs
 Start 32669
 GI none
 Exons 32669..32902, 32972..33040, 33266..33386, 33581..33761, 34391..34446, 34879..36098

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 42960
 Method GENSCAN
 End 36098
 Score .49

Seq. No. 6983
 Gene No. 14705
 Start 30531
 Name OJ990501_21.9922.C5.o6.np
 Start 33595
 GI 4263696
 Exons 33595..33672, 33858..33959, 34761..35746, 36893..36985

Seq. ID OJ990501_21.9922.C5
 Strand -
 End 42960
 Method AAT/NAP
 End 36985
 Score 550

GI Descrip. (AC006223) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o7.np	Method	AAT/NAP
Start	35164	End	37117
GI	6523547	Score	352
Exons	35164..35751, 36924..37117		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o8.np	Method	AAT/NAP
Start	36894	End	38006
GI	4514635	Score	955
Exons	36894..37645, 37742..38006		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o5.gs	Method	GENSCAN
Start	36924	End	37994
GI	none	Score	.99
Exons	36924..37645, 37742..37994		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o7.gp	Method	AAT/GAP
Start	37466	End	42960
GI	uC-osrocyp015e08b1	Score	628
Exons	37466..37645, 41859..42105, 42889..42960		
GI Descrip.	'5902181/gb AAD01211.2 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o9.np	Method	AAT/NAP
Start	41001	End	42131
GI	4514635	Score	940
Exons	41001..41746, 41859..42131		
GI Descrip.	(AB021175) root cap protein 1 [Zea mays]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14705	Strand	-
Start	30531	End	42960
Name	OJ990501_21.9922.C5.o6.gs	Method	GENSCAN
Start	41025	End	42118
GI	none	Score	.73
Exons	41025..41746, 41890..42118		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-

Start	49841	End	51598
Name	OJ990501_21.9922.C5.o10.tm	Method	TBLASTX:Maize
Start	4838	End	5135
GI	none	Score	78
Exons	4838..4972, 4897..4974, 4974..5036, 4977..5036, 5034..5084, 5050..5085, 5067..5135, 5090..5134		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o3.tc	Method	TBLASTX:Cress
Start	5709	End	6153
GI	none	Score	112
Exons	5709..5801, 5811..5885, 5952..6152, 5953..6153		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	5709	End	6153
GI	none	Score	116
Exons	5709..5801, 5805..5885, 5929..6153, 5952..6152		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o7.tm	Method	TBLASTX:Maize
Start	5709	End	6153
GI	none	Score	116
Exons	5709..5801, 5805..5885, 5952..6152, 5953..6153		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o6.tc	Method	TBLASTX:Cress
Start	17912	End	18677
GI	none	Score	39
Exons	17912..17974, 18071..18121, 18243..18305, 18390..18500, 18573..18677		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	26911	End	28037
GI	none	Score	104
Exons	26911..26991, 27182..27340, 27184..27339, 27772..27933, 27776..28018, 27777..28019, 27786..28037		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o7.ts	Method	TBLASTX:Soybean
Start	26911	End	27326
GI	none	Score	95
Exons	26911..27006, 27015..27089, 27182..27322, 27184..27318, 27240..27326		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	27259	End	29276
GI	none	Score	78
Exons	27259..27339, 27260..27343, 27762..27974, 27776..27964, 27972..28058, 28393..28455, 28519..28545, 28650..28901, 28657..28902, 29193..29276		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	27785	End	28458
GI	none	Score	366
Exons	27785..28057, 27786..28079, 28393..28458		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	28644	End	31936
GI	none	Score	224
Exons	28644..28790, 28657..28902, 28869..28901, 29193..29276, 29411..29611, 29426..29605, 29503..29628, 29889..30002, 29891..30004, 29892..30017, 31766..31936, 31767..31925		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o4.tc	Method	TBLASTX:Cress
Start	28777	End	29945
GI	none	Score	110
Exons	28777..28902, 29202..29267, 29204..29257, 29332..29448, 29384..29584, 29423..29569, 29503..29583, 29576..29611, 29892..29945		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	29429	End	29968
GI	none	Score	291
Exons	29429..29611, 29432..29611, 29887..29916, 29889..29966, 29890..29967, 29891..29968, 29892..29966, 29903..29968		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	29492	End	31938
GI	none	Score	171
Exons	29492..29611, 29495..29611, 29888..30004, 29892..30017, 31766..31936, 31767..31925, 31767..31937, 31768..31926, 31831..31938, 31868..31936		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o8.tm	Method	TBLASTX:Maize
Start	32738	End	33676
GI	none	Score	121
Exons	32738..32893, 32738..32893, 32740..32904, 32742..32903, 32957..33037, 32966..33040, 32979..33041, 33263..33385, 33268..33390, 33273..33386, 33578..33676, 33580..33675		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	33894	End	35186
GI	none	Score	158
Exons	33894..33956, 34742..35110, 34761..35186, 34774..35151		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	34953	End	35300
GI	none	Score	105
Exons	34953..35300, 34953..35297		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o9.tm	Method	TBLASTX:Maize
Start	36954	End	48624
GI	none	Score	107
Exons	36954..37157, 36976..37155, 41070..41258, 41133..41258, 44284..44487, 44292..44465, 48436..48624, 48493..48612		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	37035	End	48558
GI	none	Score	96
Exons	37035..37235, 37036..37239, 37311..37478, 37333..37476, 37560..37580, 37587..37631, 41136..41396, 41218..41337, 41412..41579, 41434..41577, 41661..41681, 41688..41732, 43642..43677, 43810..43854, 43861..43881, 43963..44130, 44205..44357, 44206..44406, 47962..48006, 48013..48036, 48115..48282, 48298..48558, 48357..48515		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o6.ts	Method	TBLASTX:Soybean
Start	37065	End	48540
GI	none	Score	86
Exons	37065..37250, 37084..37242, 41166..41396, 44191..44376, 44199..44357, 48298..48540, 48369..48509		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o5.ts	Method	TBLASTX:Soybean
Start	37371	End	48153
GI	none	Score	96
Exons	37371..37580, 37393..37548, 37581..37631, 41472..41681, 41475..41582, 41482..41649, 41682..41732, 43810..43860, 43861..44070, 43893..44060, 47962..48039, 48012..48152, 48013..48153		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	37473	End	48120
GI	none	Score	84
Exons	37473..37652, 37474..37548, 37600..37653, 37743..37814, 41574..41744, 41575..41649, 41701..41745, 41860..41895, 41894..41935, 43618..43689, 43797..43841, 43798..43968, 43893..43967, 47738..47857, 47949..48119, 47950..48120		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	37512	End	48081
GI	none	Score	49
Exons	37512..37655, 37513..37548, 37600..37656, 37734..37823, 37735..37815, 41613..41753, 41614..41649, 41701..41754, 41827..41895, 41853..41903, 41894..41944, 41896..41928, 43609..43698, 43611..43697, 43788..43841, 43789..43929, 43893..43928, 47777..47878, 47782..47865, 47929..48081, 47946..48080		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o9.gs	Method	GENSCAN
Start	49841	End	51506
GI	none	Score	.71
Exons	49841..50053, 50065..50358, 50430..50695, 50750..51001, 51284..51506		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14706	Strand	-
Start	49841	End	51598
Name	OJ990501_21.9922.C5.o14.np	Method	AAT/NAP
Start	50050	End	51598
GI	2832660	Score	426
Exons	50050..50358, 50430..50962, 51498..51598		
GI Descrip.	(AL021710) lipase-like protein [Arabidopsis thaliana]		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14707	Strand	-
Start	56172	End	56415

Name	OJ990501_21.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	56172	End	56415
GI	none	Score	218
Exons	56172..56414, 56173..56376, 56182..56415, 56186..56413		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14708	Strand	
Start	56684	End	57709
Name	OJ990501_21.9922.C5.o5.tc	Method	TBLASTX:Cress
Start	56684	End	57709
GI	none	Score	90
Exons	56684..56791, 57362..57451, 57533..57709		

Seq. No.	6983	Seq. ID	OJ990501_21.9922.C5
Gene No.	14709	Strand	
Start	57827	End	58636
Name	OJ990501_21.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	57827	End	58636
GI	none	Score	179
Exons	57827..58042, 57828..58043, 57828..58043, 57829..58044, 57836..58054, 58115..58174, 58117..58179, 58120..58179, 58122..58184, 58528..58632, 58529..58636, 58541..58636		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14710	Strand	+
Start	630	End	3642
Name	OJ990501_21.9922.C6.o1.gs	Method	GENSCAN
Start	630	End	3464
GI	none	Score	.7
Exons	630..810, 886..1249, 1321..1437, 1748..1829, 1940..2034, 2167..2241, 2428..2790, 2865..2940, 3039..3202, 3345..3464		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14710	Strand	+
Start	630	End	3642
Name	OJ990501_21.9922.C6.o1.np	Method	AAT/NAP
Start	1044	End	3489
GI	6006718	Score	792
Exons	1044..1271, 1358..1437, 1583..1651, 1748..1863, 1943..2034, 2167..2241, 2428..2790, 2865..2940, 3039..3202, 3345..3489		
GI Descrip.	(AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14710	Strand	+
Start	630	End	3642
Name	OJ990501_21.9922.C6.o1.gp	Method	AAT/GAP
Start	2526	End	3642
GI	70833_1.R1084	Score	1447
Exons	2526..2790, 2865..2940, 3039..3202, 3345..3642		
GI Descrip.	'6006718/gb AAF00582.1 AF109376_1 4.0e-26 (AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]'		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	287	End	813

GI	none	Score	95
Exons	287..385, 303..392, 437..535, 466..537, 468..539, 627..683, 636..683, 644..793, 675..800, 700..813		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	1108	End	1454
GI	none	Score	85
Exons	1108..1191, 1109..1180, 1186..1272, 1187..1276, 1356..1454, 1357..1449		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	2413	End	2783
GI	none	Score	378
Exons	2413..2673, 2418..2672, 2425..2673, 2632..2781, 2685..2783		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	2413	End	2653
GI	none	Score	262
Exons	2413..2643, 2420..2653, 2421..2642, 2425..2643		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o2.gs	Method	GENSCAN
Start	4891	End	5550
GI	none	Score	.99
Exons	4891..5550		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	4971	End	5178
GI	none	Score	285
Exons	4971..5132, 4975..5178		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	4977	End	5469
GI	none	Score	116
Exons	4977..5060, 4978..5058, 5061..5135, 5062..5178, 5182..5274, 5380..5469		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550

Name	OJ990501_21.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	4977	End	5274
GI	none	Score	120
Exons	4977..5039, 4978..5049, 5047..5178, 5061..5135, 5182..5274		

Seq. No.	6984	Seq. ID	OJ990501_21.9922.C6
Gene No.	14711	Strand	+
Start	4891	End	5550
Name	OJ990501_21.9922.C6.o2.np	Method	AAT/NAP
Start	4987	End	5547
GI	4581145	Score	300
Exons	4987..5547		
GI Descrip.	(AC006919) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	6985	Seq. ID	OJ990501_21.9922.C7
Gene No.	14712	Strand	-
Start	4513	End	5172
Name	OJ990501_21.9922.C7.o1.gp	Method	AAT/GAP
Start	4320	End	4721
GI	none	Score	695
Exons	4320..4721		

Seq. No.	6985	Seq. ID	OJ990501_21.9922.C7
Gene No.	14712	Strand	-
Start	4513	End	5172
Name	OJ990501_21.9922.C7.o2.gs	Method	GENSCAN
Start	4513	End	5172
GI	none	Score	.75
Exons	4513..4670, 5028..5172		

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14713	Strand	+
Start	1	End	14131
Name	OJ990421_26.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	14131
GI	1184075	Score	1458
Exons	1..619, 1685..1919, 11312..11484, 11704..12113, 12189..12627, 12916..13379, 13425..14131		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi 1587673 prf 2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	2	End	13851
GI	none	Score	131
Exons	2..226, 5..226, 8..226, 8..214, 20..217, 35..217, 35..226, 191..439, 218..943, 242..1015, 245..796, 260..466, 269..664, 326..1087, 407..952, 413..601, 413..1153, 421..723, 421..651, 458..1156, 557..1303, 563..1084, 602..937, 614..1300, 752..814, 758..1303, 772..879, 776..1153, 830..1300, 965..1156, 976..1083, 1181..1303, 1249..1311, 1352..1480, 1352..1474, 1670..1861, 1670..1864, 1670..1861, 1670..1864, 1679..1861, 1679..1861, 1679..1861, 1679..1861, 1679..1852, 1679..1786, 1705..1932, 1738..1878, 11140..11178, 11269..11685,		

11272..11535, 11275..11535, 11275..11685, 11275..11685,
 11278..11487, 11278..11676, 11278..11466, 11278..11694,
 11284..11694, 11572..11694, 11575..11685, 11701..11973,
 11701..12006, 11704..11853, 11710..12117, 11710..12048,
 11710..12120, 11713..12120, 11718..11912, 11722..12120,
 11794..12129, 11808..11921, 11854..12129, 11866..12129,
 12133..12552, 12142..12264, 12145..12267, 12145..12624,
 12148..12261, 12172..12267, 12229..12984, 12324..12626,
 12324..12554, 12325..12936, 12325..13056, 12325..12423,
 12325..12768, 12325..12699, 12328..12855, 12361..13119,
 12364..12912, 12388..12504, 12445..13206, 12445..12987,
 12589..13239, 12589..13140, 12676..13257, 12679..13215,
 12706..12768, 12805..13200, 13519..13797, 13519..13794,
 13519..13797, 13534..13800, 13534..13797, 13534..13797,
 13543..13734, 13543..13602, 13543..13848, 13543..13851,
 13543..13797, 13602..13733, 13615..13848, 13635..13796,
 13684..13797

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	13869
GI	none	Score	141
Exons	2..217, 2..226, 8..217, 8..145, 23..226, 68..874, 70..216, 218..346, 245..508, 269..931, 326..724, 407..796, 410..535, 413..1084, 419..1039, 421..546, 461..871, 479..1168, 487..579, 533..937, 605..1009, 640..729, 677..1084, 749..1219, 770..1300, 821..1228, 863..976, 890..1300, 1013..1300, 1352..1453, 1352..1477, 1664..1861, 1667..1864, 1667..1792, 1679..1861, 1679..1861, 1679..1861, 1681..1932, 1685..1861, 1694..1861, 1712..1837, 11257..11520, 11260..11694, 11263..11640, 11269..11616, 11278..11688, 11374..11700, 11563..12120, 11701..12048, 11704..12120, 11713..11835, 11722..12129, 11737..12129, 11742..11930, 11742..11903, 11785..12129, 11892..11993, 11899..12012, 11973..12056, 12130..12249, 12148..12267, 12148..12198, 12324..12482, 12325..12627, 12325..12708, 12325..12555, 12325..12834, 12327..12482, 12328..12990, 12334..12447, 12364..12774, 12382..12627, 12436..12840, 12543..12632, 12580..12987, 12652..13059, 12673..13245, 12676..13071, 12748..13254, 12796..13203, 12916..13203, 13021..13215, 13084..13239, 13216..13365, 13222..13350, 13519..13797, 13519..13725, 13531..13656, 13534..13797, 13543..13797, 13543..13797, 13543..13845, 13545..13796, 13549..13797, 13558..13797, 13576..13701, 13630..13869		

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	5	End	13161
GI	none	Score	140
Exons	5..226, 5..226, 8..199, 35..226, 218..850, 242..919, 326..991, 413..1063, 424..579, 557..1159, 686..1219, 956..1228, 11506..11685, 11701..11841, 11701..11850, 11704..11814, 12010..12129, 12025..12129, 12142..12207, 12148..12537,		

12148..12267, 12229..12894, 12325..12966, 12445..13110,
12589..13161

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	8	End	13872
GI	none	Score	124
Exons	8..217, 55..144, 191..436, 407..652, 773..1009, 965..1228, 1607..1861, 1609..2007, 1621..1995, 1922..2008, 11287..11469, 11866..12120, 11920..12120, 12334..12555, 12676..12912, 12868..13131, 13471..13872, 13473..13871		

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1253	End	13782
GI	none	Score	125
Exons	1253..1474, 1259..1501, 1542..1580, 1607..1828, 1621..1827, 11272..11424, 11347..11502, 11857..12003, 13162..13416, 13180..13419, 13471..13692, 13485..13691, 13549..13671, 13669..13782		

Seq. No.	6986	Seq. ID	OJ990421_26.9922.C1
Gene No.	14714	Strand	-
Start	8277	End	13872
Name	OJ990421_26.9922.C1.o2.gs	Method	GENSCAN
Start	8277	End	10380
GI	none	Score	.44
Exons	8277..8656, 10320..10380		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14715	Strand	+
Start	885	End	2404
Name	OJ990421_26.9922.C2.o1.gs	Method	GENSCAN
Start	885	End	2404
GI	none	Score	.77
Exons	885..968, 1057..1177, 1555..1718, 2012..2166, 2266..2404		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14715	Strand	+
Start	885	End	2404
Name	OJ990421_26.9922.C2.o3.np	Method	AAT/NAP
Start	1017	End	2298
GI	5922620	Score	381
Exons	1017..1211, 1555..1640, 1871..2298		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14716	Strand	-
Start	1	End	752

Name	OJ990421_26.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	752
GI	6539570	Score	167
Exons	1..24, 218..311, 549..752		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14717	Strand	-
Start	879	End	956
Name	OJ990421_26.9922.C2.o2.np	Method	AAT/NAP
Start	879	End	956
GI	6630699	Score	88
Exons	879..956		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14718	Strand	-
Start	2928	End	3893
Name	OJ990421_26.9922.C2.o2.gs	Method	GENSCAN
Start	2928	End	3893
GI	none	Score	.79
Exons	2928..3022, 3066..3237, 3537..3634, 3866..3893		

Seq. No.	6987	Seq. ID	OJ990421_26.9922.C2
Gene No.	14718	Strand	-
Start	2928	End	3893
Name	OJ990421_26.9922.C2.o4.np	Method	AAT/NAP
Start	3184	End	3715
GI	5042454	Score	184
Exons	3184..3244, 3547..3715		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6988	Seq. ID	OJ990421_26.9922.C3
Gene No.	14719	Strand	+
Start	1435	End	2514
Name	OJ990421_26.9922.C3.o1.gs	Method	GENSCAN
Start	1435	End	2514
GI	none	Score	.46
Exons	1435..1484, 1733..1866, 1941..2013, 2457..2514		

Seq. No.	6988	Seq. ID	OJ990421_26.9922.C3
Gene No.	14720	Strand	-
Start	454	End	977
Name	OJ990421_26.9922.C3.o1.np	Method	AAT/NAP
Start	454	End	977
GI	6539570	Score	146
Exons	454..536, 774..977		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6988	Seq. ID	OJ990421_26.9922.C3
Gene No.	14721	Strand	-
Start	1104	End	2448
Name	OJ990421_26.9922.C3.o2.np	Method	AAT/NAP
Start	1104	End	2448
GI	6630699	Score	75

Exons 1104..1175, 2398..2448
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
 [Oryza sativa]

Seq. No. 6989 Seq. ID OJ990421_26.9922.C4
 Gene No. 14722 Strand +
 Start 122 End 6023
 Name OJ990421_26.9922.C4.ol.gs Method GENSCAN
 Start 122 End 6023
 GI none Score .74
 Exons 122..212, 1638..1767, 2645..5705, 5992..6023

Seq. No. 6989 Seq. ID OJ990421_26.9922.C4
 Gene No. 14722 Strand +
 Start 122 End 6023
 Name OJ990421_26.9922.C4.ol.np Method AAT/NAP
 Start 2414 End 6023
 GI 1184075 Score 1452
 Exons 2414..2477, 2874..3489, 3625..6023
 GI Descrip. (U42444) Cf-2.1 [Lycopersicon pimpinellifolium]
 gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]

Seq. No. 6989 Seq. ID OJ990421_26.9922.C4
 Gene No. 14723 Strand -
 Start 7035 End 8295
 Name OJ990421_26.9922.C4.ol.tc Method TBLASTX:Cress
 Start 2984 End 5998
 GI none Score 47
 Exons 2984..3010, 3074..3349, 3077..3340, 3080..3427, 3089..3520,
 3089..3286, 3089..3505, 3104..3532, 3200..3514, 3395..3526,
 3470..3937, 3497..3937, 3509..3937, 3512..3736, 3512..3802,
 3512..3853, 3512..3928, 3512..3856, 3518..3937, 3518..3925,
 3518..3928, 3521..3736, 3535..3645, 3544..3720, 3602..3937,
 3662..3937, 3835..3927, 3929..4309, 3929..4312, 3929..4654,
 3953..4720, 3956..4507, 3956..4375, 3964..4074, 3973..4362,
 4052..4792, 4055..4576, 4097..4663, 4109..4795, 4114..4290,
 4129..4506, 4169..4801, 4273..4506, 4274..4801, 4456..4866,
 4541..4795, 4547..4735, 4711..4866, 4744..4938, 4852..5052,
 4859..5047, 4859..5029, 4862..5047, 4862..5047, 4862..5029,
 4862..5038, 4862..5014, 4862..5050, 4901..5047, 4901..5047,
 4912..5064, 4921..5016, 5045..5098, 5048..5089, 5048..5086,
 5093..5239, 5125..5232, 5130..5225, 5147..5233, 5147..5233,
 5147..5233, 5150..5239, 5150..5233, 5246..5335, 5258..5395,
 5258..5395, 5258..5377, 5261..5380, 5341..5394, 5399..5554,
 5399..5545, 5417..5554, 5675..5896, 5684..5896, 5693..5875,
 5693..5998, 5708..5815

Seq. No. 6989 Seq. ID OJ990421_26.9922.C4
 Gene No. 14723 Strand -
 Start 7035 End 8295
 Name OJ990421_26.9922.C4.ol.ts Method TBLASTX:Soybean
 Start 3032 End 5875
 GI none Score 155
 Exons 3032..3508, 3080..3514, 3083..3460, 3242..3535, 3404..3544,
 3512..3937, 3512..3928, 3512..3856, 3512..3937, 3514..3711,
 3515..3856, 3521..3643, 3521..3643, 3530..3928, 3542..3937,

3550..3738, 3593..3937, 3698..3937, 3779..4585, 3928..3993,
 3929..4291, 3956..4246, 3964..4290, 3980..4642, 4037..4435,
 4100..4507, 4114..4290, 4123..4290, 4124..4795, 4172..4582,
 4190..4795, 4244..4648, 4316..4726, 4388..4795, 4532..4798,
 4546..4800, 4556..4801, 4567..4794, 4574..4687, 4676..5020,
 4699..4881, 4718..4795, 4855..5010, 4859..5047, 4862..5047,
 4862..5068, 4862..5029, 4862..5047, 4916..5047, 4934..5086,
 5036..5086, 5045..5092, 5113..5268, 5128..5247, 5147..5416,
 5258..5395, 5261..5380, 5276..5392, 5399..5533, 5402..5539,
 5408..5536, 5681..5875, 5693..5815

Seq. No.	6989	Seq. ID	OJ990421_26.9922.C4
Gene No.	14723	Strand	-
Start	7035	End	8295
Name	OJ990421_26.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	3212	End	6529
GI	none	Score	71
Exons	3212..3322, 3458..3532, 3512..3604, 3737..3886, 3988..4101, 4091..4258, 4301..4468, 4596..4637, 4892..5041, 4901..5047, 4973..5086, 5195..5392, 5342..5653, 5344..5649, 5660..5812, 5679..5843, 5686..5820, 6347..6529, 6348..6491		

Seq. No.	6989	Seq. ID	OJ990421_26.9922.C4
Gene No.	14723	Strand	-
Start	7035	End	8295
Name	OJ990421_26.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	3458	End	6491
GI	none	Score	48
Exons	3458..3523, 3512..3712, 4163..4435, 4484..4798, 4676..4801, 4696..4938, 4862..5038, 5603..5653, 5604..5660, 5675..6022, 5680..6036, 6326..6490, 6348..6491		

Seq. No.	6989	Seq. ID	OJ990421_26.9922.C4
Gene No.	14723	Strand	-
Start	7035	End	8295
Name	OJ990421_26.9922.C4.o2.gs	Method	GENSCAN
Start	7035	End	8295
GI	none	Score	.82
Exons	7035..7275, 8180..8295		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14724	Strand	+
Start	2253	End	2458
Name	OJ990421_26.9922.C6.o2.gs	Method	GENSCAN
Start	2253	End	2458
GI	none	Score	.73
Exons	2253..2257, 2290..2329, 2393..2458		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14725	Strand	-
Start	350	End	964
Name	OJ990421_26.9922.C6.o1.gs	Method	GENSCAN
Start	350	End	964
GI	none	Score	.65
Exons	350..649, 659..964		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
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Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.ol.ts	Method	TBLASTX:Soybean
Start	4052	End	13402
GI	none	Score	127
Exons	4052..4327, 4055..4318, 4058..4492, 4061..4438, 4070..4414, 4076..4486, 4100..4492, 4306..4629, 4361..4648, 4499..4639, 4505..4645, 4604..4657, 4715..4918, 4715..4948, 4715..4900, 4718..4924, 4799..4918, 4820..4918, 4912..5172, 4918..5211, 4918..5220, 4936..5175, 4936..5181, 4936..5181, 4944..5180, 4947..5111, 4953..5120, 4954..5181, 5010..5198, 5011..5199, 5035..5160, 5089..5211, 5314..5562, 5425..5559, 5437..5709, 5524..5562, 5556..5693, 5569..5700, 5608..5745, 5750..5986, 5780..5974, 5834..6046, 6167..6187, 9740..9841, 9751..9840, 10427..10480, 10484..10654, 10488..10643, 10661..10804, 10665..10769, 10829..10960, 10869..10946, 11216..11461, 11276..11461, 11279..11467, 11279..11461, 11279..11461, 11279..11461, 11279..11575, 11279..11398, 11462..11680, 11462..11680, 11462..11668, 11462..11680, 11471..11632, 11484..11633, 11489..11689, 11499..11654, 11499..11693, 11681..11974, 11693..12025, 11693..11788, 11696..12382, 11697..11795, 11700..11816, 11702..12046, 11703..11960, 11703..11939, 11708..12460, 11711..12118, 11783..12190, 11838..12371, 11858..12262, 11864..12526, 11921..12727, 11924..12334, 11999..12406, 12071..12487, 12215..12604, 12216..12383, 12216..12530, 12216..12392, 12260..12550, 12360..12602, 12476..12577, 12513..12578, 12569..12997, 12569..12913, 12575..12772, 12578..13135, 12578..12961, 12578..12994, 12578..12994, 12579..12725, 12650..12997, 12651..12878, 12695..12799, 12698..12820, 12768..12956, 12795..12956, 12795..12950, 12855..12971, 12863..12985, 13004..13387, 13010..13402, 13013..13276, 13058..13396		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.ol.tc	Method	TBLASTX:Cress
Start	4055	End	13396
GI	none	Score	146
Exons	4055..4318, 4058..4414, 4067..4327, 4076..4483, 4076..4486, 4076..4246, 4076..4492, 4190..4492, 4283..4483, 4292..4405, 4343..4498, 4405..4641, 4436..4525, 4445..4660, 4499..4630, 4502..4660, 4502..4648, 4511..4558, 4535..4639, 4715..4975, 4718..4897, 4718..4924, 4763..4921, 4769..4918, 4787..4921, 4793..4858, 4915..5091, 4915..5181, 4918..5193, 4918..5130, 4918..5199, 4921..5196, 4936..5193, 4936..5196, 4945..5199, 4953..4973, 4956..5120, 4963..5199, 4990..5043, 5053..5199, 5074..5181, 5314..5403, 5314..5397, 5314..5397, 5314..5400, 5314..5397, 5349..5390, 5419..5562, 5425..5547, 5425..5571, 5428..5547, 5428..5736, 5443..5559, 5563..5721, 5563..5748, 5590..5739, 5590..5739, 5590..5712, 5599..5736, 5855..6055, 9562..9642, 9745..9840, 9746..9841, 9950..10012, 10427..10462, 10487..10669, 10670..10828, 10671..10838, 10793..10957, 10821..10958, 11201..11251, 11276..11428, 11276..11455, 11276..11422, 11279..11461, 11279..11461, 11279..11464, 11280..11456, 11285..11461, 11351..11404, 11405..11461, 11420..11464, 11448..11660, 11459..12004, 11462..11689,		

11462..11506, 11462..11680, 11462..11629, 11480..11680,
 11480..11680, 11489..11707, 11490..11594, 11510..11680,
 11588..11683, 11627..12478, 11681..12415, 11690..12286,
 11693..11833, 11711..12346, 11711..11863, 11712..11939,
 11712..11987, 11732..11908, 11739..11909, 11783..12550,
 11795..11986, 11858..12577, 11858..12148, 11865..12227,
 11955..12278, 11984..12529, 11999..12292, 12062..12364,
 12081..12392, 12083..12274, 12129..12365, 12134..12604,
 12134..12436, 12155..12346, 12194..12550, 12197..12511,
 12210..12509, 12236..12415, 12278..12778, 12288..12515,
 12296..12409, 12335..12529, 12338..12553, 12341..12550,
 12569..12994, 12569..12985, 12575..12820, 12578..12997,
 12578..12994, 12578..12985, 12578..12871, 12629..12988,
 12635..12853, 12650..12943, 12660..12944, 12704..12994,
 12795..12980, 12795..12986, 12815..13063, 12857..12997,
 13004..13108, 13004..13306, 13004..13108, 13013..13396,
 13091..13288, 13091..13141, 13169..13327, 13169..13324

Seq. No. 6990 Seq. ID OJ990421_26.9922.C6
 Gene No. 14726 Strand -
 Start 7873 End 13714
 Name OJ990421_26.9922.C6.o1.tw Method TBLASTX:Wheat
 Start 4055 End 12832
 GI none Score 83
 Exons 4055..4195, 4067..4267, 4511..4657, 4921..5040, 4936..5187,
 5074..5199, 5776..5838, 5777..5821, 5849..6193, 5851..6153,
 5864..6190, 6593..6649, 6713..6796, 11204..11461, 11228..11461,
 11465..11680, 11690..11830, 11711..12022, 11711..11902,
 11999..12262, 12089..12406, 12578..12832

Seq. No. 6990 Seq. ID OJ990421_26.9922.C6
 Gene No. 14726 Strand -
 Start 7873 End 13714
 Name OJ990421_26.9922.C6.o1.tm Method TBLASTX:Maize
 Start 4067 End 13108
 GI none Score 128
 Exons 4067..4327, 4085..4222, 4085..4267, 4256..4486, 4508..4633,
 4508..4732, 4508..4657, 4520..4630, 4677..4739, 4715..4921,
 4769..4924, 4769..4966, 4921..5070, 4936..5112, 4945..5211,
 4945..5142, 5002..5181, 5074..5193, 5095..5214, 5146..5211,
 5291..5398, 5316..5402, 5317..5403, 5376..5546, 5428..5721,
 5852..6046, 5855..6055, 11213..11680, 11214..11684,
 11279..11440, 11459..11680, 11459..11587, 11660..12085,
 11690..11800, 11700..11825, 11711..11872, 11753..12163,
 11783..11971, 11822..12232, 11915..12304, 11930..12109,
 12062..12445, 12071..12256, 12113..12526, 12113..12520,
 12185..12526, 12249..12371, 12257..12535, 12287..12469,
 12332..12550, 12344..12568, 12488..12547, 12569..12667,
 12578..12952, 12578..12883, 12744..12986, 12746..12988,
 12764..12988, 12794..12976, 12833..12985, 12998..13099,
 13004..13108

Seq. No. 6990 Seq. ID OJ990421_26.9922.C6
 Gene No. 14726 Strand -
 Start 7873 End 13714
 Name OJ990421_26.9922.C6.o2.ts Method TBLASTX:Soybean
 Start 7626 End 7839

GI	none	Score	100
Exons	7626..7685, 7627..7689, 7628..7684, 7679..7780, 7688..7780, 7693..7782, 7771..7830, 7773..7835, 7786..7839		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	7692	End	7894
GI	none	Score	209
Exons	7692..7841, 7693..7839, 7697..7894		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.o4.gs	Method	GENSCAN
Start	7873	End	13714
GI	none	Score	.82
Exons	7873..7947, 8238..8398, 8530..8683, 8797..8868, 9625..9839, 10426..13714		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.o1.np	Method	AAT/NAP
Start	8276	End	13711
GI	2827715	Score	1286
Exons	8276..8304, 9546..9839, 10426..11412, 11488..11659, 11729..12233, 12306..12529, 12677..13057, 13274..13414, 13496..13711		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	9757	End	10988
GI	none	Score	61
Exons	9757..9840, 10427..10462, 10466..10666, 10488..10667, 10673..10822, 10674..10805, 10862..10987, 10869..10988		

Seq. No.	6990	Seq. ID	OJ990421_26.9922.C6
Gene No.	14726	Strand	-
Start	7873	End	13714
Name	OJ990421_26.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	10427	End	10822
GI	none	Score	66
Exons	10427..10822, 10496..10600		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14727	Strand	+
Start	4544	End	6583
Name	OJ990421_26.9922.C7.o2.gs	Method	GENSCAN
Start	4544	End	6583
GI	none	Score	.48
Exons	4544..4651, 6153..6245, 6455..6583		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14728	Strand	+
Start	9073	End	13775
Name	OJ990421_26.9922.C7.o3.gs	Method	GENSCAN
Start	9073	End	13775
GI	none	Score	.63
Exons	9073..9222, 10383..10636, 10647..10795, 11974..12203, 12502..12613, 12714..12982, 13153..13168, 13192..13775		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	14017	End	14340
GI	none	Score	86
Exons	14017..14340, 14189..14338		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o1.np	Method	AAT/NAP
Start	14032	End	16152
GI	6967112	Score	428
Exons	14032..14724, 16129..16152		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	14266	End	14683
GI	none	Score	508
Exons	14266..14682, 14267..14683		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	14342	End	14725
GI	none	Score	68
Exons	14342..14575, 14344..14721, 14358..14525, 14414..14722, 14612..14725		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	14353	End	14724
GI	none	Score	38
Exons	14353..14517, 14432..14497, 14524..14724, 14546..14722		

Seq. No.	6991	Seq. ID	OJ990421_26.9922.C7
Gene No.	14729	Strand	-
Start	14032	End	16152
Name	OJ990421_26.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	14878	End	15219

GI	none	Score	69
Exons	14878..15219, 14900..15022, 14950..15177		
Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o1.gs	Method	GENSCAN
Start	2791	End	12721
GI	none	Score	.49
Exons	2791..2815, 2983..3110, 3112..3210, 7770..7820, 7905..8441, 8470..8574, 8607..8843, 8907..9901, 9903..10799, 10896..11686, 12426..12721		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o1.np	Method	AAT/NAP
Start	7857	End	13212
GI	5922631	Score	5230
Exons	7857..7981, 8240..8484, 8743..8945, 8991..9562, 9605..9756, 9883..10807, 11414..13212		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o5.tw	Method	TBLASTX:Wheat
Start	9167	End	9569
GI	none	Score	289
Exons	9167..9475, 9168..9569		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	10147	End	10824
GI	none	Score	147
Exons	10147..10323, 10368..10604, 10372..10602, 10651..10824		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	10824	End	11280
GI	none	Score	491
Exons	10824..11279, 10825..11280		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o2.ts	Method	TBLASTX:Soybean

Start 10864
 GI none
 Exons 10864..11088, 11095..11229

End 11229
 Score 138

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o1.tm
 Start 10954
 GI none
 Exons 10954..11310, 10995..11300

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Maize
 End 11310
 Score 370

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o2.tw
 Start 11395
 GI none
 Exons 11395..11814, 11439..11819

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Wheat
 End 11819
 Score 429

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o1.ts
 Start 11473
 GI none
 Exons 11473..11874, 11490..11633

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Soybean
 End 11874
 Score 307

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o2.tm
 Start 11541
 GI none
 Exons 11541..11795, 11542..11796, 11817..11948, 11818..11961, 11959..11985

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Maize
 End 11985
 Score 270

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o6.tw
 Start 11824
 GI none
 Exons 11824..12105, 11833..11922, 11943..12107, 12013..12108

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Wheat
 End 12108
 Score 275

Seq. No. 6992
 Gene No. 14730
 Start 2791
 Name OJ990421_26.9922.C8.o3.ts
 Start 12100
 GI none
 Exons 12100..12204, 12108..12194, 12262..12489, 12263..12319, 12365..12487

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212
 Method TBLASTX:Soybean
 End 12489
 Score 87

Seq. No. 6992
 Gene No. 14730
 Start 2791

Seq. ID OJ990421_26.9922.C8
 Strand +
 End 13212

Name	OJ990421_26.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	12109	End	12532
GI	none	Score	151
Exons	12109..12264, 12114..12263, 12262..12456, 12263..12532		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	12362	End	12616
GI	none	Score	185
Exons	12362..12616, 12370..12477		

Seq. No.	6992	Seq. ID	OJ990421_26.9922.C8
Gene No.	14730	Strand	+
Start	2791	End	13212
Name	OJ990421_26.9922.C8.o7.tw	Method	TBLASTX:Wheat
Start	12548	End	12889
GI	none	Score	135
Exons	12548..12682, 12736..12867, 12749..12889		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14731	Strand	+
Start	10294	End	14540
Name	OJ990421_26.9922.C9.o2.gp	Method	AAT/GAP
Start	10294	End	13265
GI	uC-osflcyp077g12b1	Score	1002
Exons	10294..10495, 10580..10797, 13149..13265		
GI Descrip.	'4102839 3.0e-45 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14731	Strand	+
Start	10294	End	14540
Name	OJ990421_26.9922.C9.o3.np	Method	AAT/NAP
Start	10360	End	14540
GI	4102839	Score	1223
Exons	10360..10498, 10583..10797, 13149..14540		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14731	Strand	+
Start	10294	End	14540
Name	OJ990421_26.9922.C9.o3.gp	Method	AAT/GAP
Start	13416	End	13881
GI	uC-osflM202094c09b1	Score	928
Exons	13416..13881		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14732	Strand	+
Start	20885	End	25436
Name	OJ990421_26.9922.C9.o5.gs	Method	GENSCAN
Start	20885	End	25436
GI	none	Score	.61
Exons	20885..20900, 22393..22555, 24307..24545, 25285..25436		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14732	Strand	+
Start	20885	End	25436
Name	OJ990421_26.9922.C9.o4.np	Method	AAT/NAP
Start	22598	End	23978
GI	5922615	Score	80
Exons	22598..22662, 23921..23978		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016848 dbj BAA85191.1 (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14733	Strand	+
Start	25702	End	26252
Name	OJ990421_26.9922.C9.o5.gp	Method	AAT/GAP
Start	25702	End	26252
GI	2315_5.R1084	Score	398
Exons	25702..25952, 26212..26252		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14734	Strand	-
Start	1060	End	2595
Name	OJ990421_26.9922.C9.o1.gs	Method	GENSCAN
Start	1060	End	2595
GI	none	Score	.76
Exons	1060..2595		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14734	Strand	-
Start	1060	End	2595
Name	OJ990421_26.9922.C9.o1.np	Method	AAT/NAP
Start	1081	End	2202
GI	6606570	Score	577
Exons	1081..2202		
GI Descrip.	(AF215729) unknown [Glycine max]		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14734	Strand	-
Start	1060	End	2595
Name	OJ990421_26.9922.C9.o1.gp	Method	AAT/GAP
Start	2313	End	2482
GI	none	Score	319
Exons	2313..2482		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14735	Strand	-
Start	5024	End	7680
Name	OJ990421_26.9922.C9.o2.np	Method	AAT/NAP
Start	4794	End	7680
GI	6815109	Score	197
Exons	4794..4812, 5512..5716, 6695..6951, 7203..7561, 7615..7680		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14735	Strand	-
Start	5024	End	7680
Name	OJ990421_26.9922.C9.o2.gs	Method	GENSCAN
Start	5024	End	7548
GI	none	Score	.59
Exons	5024..5226, 5436..5565, 5618..7462..7548		5824, 6516..6630, 7279..7385,

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	1207	End	2229
GI	none	Score	91
Exons	1207..1350, 1354..1539, 1393..1627..1719, 1765..1890, 1768..1936..2019, 1945..2046, 1951..2089..2229, 2089..2217, 2089..2199, 2092..2217, 2092..2211, 2092..2193, 2161..2199		1539, 1393..1494, 1393..1539, 1786..1830, 1936..2082, 2020..2211, 2089..2229,

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	1301	End	2199
GI	none	Score	336
Exons	1301..1720, 1315..1719, 2089..2199		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	1387	End	2220
GI	none	Score	62
Exons	1387..1521, 1390..1653, 1390..1402..1539, 1444..1539, 1735..1765..1890, 1768..1890, 1777..1936..2061, 1942..2064, 1945..2086..2220, 2089..2220, 2089..2211, 2089..2217		1539, 1390..1437, 1390..1521, 1753..1890, 1753..1890, 1778..2008, 1795..1890, 2072..2140, 2089..2211, 2089..2190, 2092..2208, 2158..2217

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	1390	End	2199
GI	none	Score	471
Exons	1390..1509, 1402..1518, 1494..1942..2127, 2068..2199		1967, 1495..1995, 1496..1996,

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	10405	End	14390
GI	none	Score	136

Exons 10405..10494, 10407..10493, 10581..10805, 10582..10794,
13148..13621, 13149..13739, 13782..14390, 13820..14389

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	10405	End	10749
GI	none	Score	143
Exons	10405..10494, 10407..10493, 10582..10749, 10582..10746		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	10407	End	14390
GI	none	Score	111
Exons	10407..10499, 10408..10497, 10593..10805, 10594..10797, 13148..13210, 13149..13193, 13217..13534, 13236..13637, 13782..14390, 13877..14377		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	10408	End	10713
GI	none	Score	101
Exons	10408..10497, 10594..10713, 10608..10703		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	13217	End	14399
GI	none	Score	131
Exons	13217..13384, 13236..13400, 13377..13433, 13410..13733, 13436..13621, 13782..14399, 13817..14398		

Seq. No.	6993	Seq. ID	OJ990421_26.9922.C9
Gene No.	14736	Strand	-
Start	15628	End	19580
Name	OJ990421_26.9922.C9.o4.gs	Method	GENSCAN
Start	15628	End	19580
GI	none	Score	.48
Exons	15628..15730, 16002..16198, 16433..16576, 17211..17323, 19370..19580		

Seq. No.	6994	Seq. ID	OJ990421_26.9922.C10
Gene No.	14737	Strand	+
Start	153	End	595
Name	OJ990421_26.9922.C10.o1.gs	Method	GENSCAN
Start	153	End	595
GI	none	Score	.67
Exons	153..248, 521..595		

Seq. No.	6995	Seq. ID	OJ990421_26.9922.C11
Gene No.	14738	Strand	+

Start	12	End	644
Name	OJ990421_26.9922.C11.o1.gs	Method	GENSCAN
Start	12	End	644
GI	none	Score	.48
Exons	12..644		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14739	Strand	+
Start	15669	End	20781
Name	OJ990501_28.9922.C2.o3.gs	Method	GENSCAN
Start	15669	End	20125
GI	none	Score	.91
Exons	15669..15739, 16440..16529, 17973..18088, 19225..19352, 19637..20125		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14739	Strand	+
Start	15669	End	20781
Name	OJ990501_28.9922.C2.o3.np	Method	AAT/NAP
Start	18059	End	20781
GI	6522547	Score	118
Exons	18059..18088, 19225..19352, 19637..19739, 20601..20781		
GI Descrip.	(AL132955) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14740	Strand	-
Start	1	End	2849
Name	OJ990501_28.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	2849
GI	2583130	Score	1340
Exons	1..2849		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14741	Strand	-
Start	8020	End	14603
Name	OJ990501_28.9922.C2.o2.gs	Method	GENSCAN
Start	8020	End	14603
GI	none	Score	.48
Exons	8020..8123, 8839..8941, 10346..10500, 10750..10921, 12949..13087, 13118..13238, 14582..14603		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14742	Strand	-
Start	20754	End	24873
Name	OJ990501_28.9922.C2.o4.gs	Method	GENSCAN
Start	20754	End	24565
GI	none	Score	.6
Exons	20754..21099, 21511..21588, 21939..22614, 23602..23812, 23915..24565		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14742	Strand	-
Start	20754	End	24873
Name	OJ990501_28.9922.C2.o4.np	Method	AAT/NAP
Start	20874	End	24556

GI 6752888 Score 1983
 Exons 20874..21096, 21511..21588, 21939..22614, 23602..23812,
 23915..24556
 GI Descrip. (AF220204) unknown [Malus domestica]

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14742	Strand	-
Start	20754	End	24873
Name	OJ990501_28.9922.C2.o1.gp	Method	AAT/GAP
Start	24438	End	24873
GI	2427852	Score	623
Exons	24438..24580, 24669..24873		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	231	End	512
GI	none	Score	85
Exons	231..512, 235..510		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	288	End	690
GI	none	Score	156
Exons	288..623, 324..689, 352..690		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	620	End	1304
GI	none	Score	96
Exons	620..811, 834..1157, 1161..1304		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	879	End	1259
GI	none	Score	167
Exons	879..1046, 880..1053, 890..1072, 1038..1256, 1041..1259, 1168..1257		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o7.tm	Method	TBLASTX:Maize
Start	16449	End	19984
GI	none	Score	64
Exons	16449..16532, 16454..16504, 16473..16532, 19218..19358, 19220..19360, 19637..19780, 19687..19770, 19856..19915, 19856..19915, 19928..19984		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
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Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	20877	End	21982
GI	none	Score	76
Exons	20877..21104, 20893..21051, 20919..21095, 21938..21982		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	20880	End	24533
GI	none	Score	110
Exons	20880..21098, 20919..21110, 21507..21590, 21510..21587, 21936..21998, 21938..21991, 21995..22294, 21996..22247, 22280..22321, 22281..22331, 22391..22612, 22530..22613, 23591..23812, 23616..23813, 23909..24283, 23913..24278, 24359..24379, 24392..24532, 24393..24533		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o2.tc	Method	TBLASTX:Cress
Start	20886	End	21991
GI	none	Score	86
Exons	20886..21104, 20919..21104, 21513..21590, 21516..21587, 21938..21991		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	21030	End	22252
GI	none	Score	61
Exons	21030..21098, 21048..21095, 21499..21588, 21510..21587, 21936..22250, 21938..22252		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	22056	End	24541
GI	none	Score	148
Exons	22056..22244, 22073..22255, 22280..22321, 22281..22361, 22394..22612, 22400..22612, 23591..23812, 23607..23813, 23909..24283, 23913..24278, 24353..24379, 24392..24541, 24393..24491		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	22056	End	24019
GI	none	Score	136
Exons	22056..22250, 22073..22255, 22254..22325, 22280..22327, 22391..22609, 22400..22612, 22536..22613, 23591..23812, 23607..23813, 23909..23965, 23966..24019		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	22280	End	22613
GI	none	Score	54
Exons	22280..22321, 22281..22322, 22400..22612, 22409..22606, 22536..22613		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	23643	End	24124
GI	none	Score	158
Exons	23643..23813, 23645..23812, 23909..24124, 23913..24119		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	24020	End	24283
GI	none	Score	189
Exons	24020..24283, 24048..24281		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	24350	End	24541
GI	none	Score	105
Exons	24350..24541, 24360..24494		

Seq. No.	6996	Seq. ID	OJ990501_28.9922.C2
Gene No.	14743	Strand	-
Start	25784	End	26026
Name	OJ990501_28.9922.C2.o5.gs	Method	GENSCAN
Start	25784	End	26026
GI	none	Score	.46
Exons	25784..26026		

Seq. No.	6997	Seq. ID	OJ990501_28.9922.C3
Gene No.	14744	Strand	+
Start	2030	End	2429
Name	OJ990501_28.9922.C3.o1.gp	Method	AAT/GAP
Start	2030	End	2429
GI	uC-osflcyp118h12a1	Score	769
Exons	2030..2429		
GI Descrip.	'2943742/dbj BAA25068 0.0e+00 (AB002266) XA1 [Oryza sativa]'		

Seq. No.	6997	Seq. ID	OJ990501_28.9922.C3
Gene No.	14745	Strand	-
Start	1075	End	4641
Name	OJ990501_28.9922.C3.o1.gs	Method	GENSCAN
Start	1075	End	4614
GI	none	Score	.51

Exons 1075..1287, 2388..2531, 2698..2848, 2955..3192, 3436..3499, 3836..4091, 4547..4614

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o1.ts Method TBLASTX:Soybean
Start 2296 End 3934
GI none Score 68
Exons 2296..2331, 2397..2609, 2398..2529, 2698..2847, 2744..2848, 2744..2848, 2957..3193, 2958..3167, 3287..3439, 3287..3439, 3294..3446, 3458..3517, 3836..3934, 3843..3905

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o1.np Method AAT/NAP
Start 2310 End 4641
GI 2181190 Score 826
Exons 2310..2609, 2698..2848, 2955..3192, 3286..3499, 3836..4014, 4576..4641
GI Descrip. (Y12531). serine/threonine kinase [Brassica oleracea]

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o1.tm Method TBLASTX:Maize
Start 2352 End 3340
GI none Score 64
Exons 2352..2426, 2361..2609, 2362..2613, 2698..2847, 2698..2847, 2699..2848, 2963..3193, 2964..3194, 2994..3212, 3263..3340, 3287..3340

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o1.tc Method TBLASTX:Cress
Start 2353 End 3905
GI none Score 105
Exons 2353..2529, 2397..2609, 2710..2844, 2738..2836, 2761..2847, 2951..3118, 2957..3244, 2958..3173, 3287..3457, 3293..3427, 3321..3464, 3357..3446, 3464..3502, 3828..3905, 3836..3898

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o1.tw Method TBLASTX:Wheat
Start 2568 End 3128
GI none Score 107
Exons 2568..2609, 2698..2847, 2744..2848, 2957..3127, 2958..3128

Seq. No. 6997 Seq. ID OJ990501_28.9922.C3
Gene No. 14745 Strand -
Start 1075 End 4641
Name OJ990501_28.9922.C3.o2.tw Method TBLASTX:Wheat
Start 3131 End 3463
GI none Score 101

Exons 3131..3193, 3287..3439, 3287..3463, 3294..3440

Seq. No.	6997	Seq. ID	OJ990501_28.9922.C3
Gene No.	14745	Strand	-
Start	1075	End	4641
Name	OJ990501_28.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	3341	End	3464
GI	none	Score	154
Exons	3341..3457, 3342..3464		

Seq. No.	6998	Seq. ID	OJ990501_28.9922.C4
Gene No.	14746	Strand	-
Start	66	End	671
Name	OJ990501_28.9922.C4.o1.gs	Method	GENSCAN
Start	66	End	671
GI	none	Score	.56
Exons	66..671		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14747	Strand	+
Start	11933	End	15415
Name	OJ990501_28.9922.C5.o3.gs	Method	GENSCAN
Start	11933	End	15415
GI	none	Score	.68
Exons	11933..12022, 14674..14795, 14903..15101, 15239..15415		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14748	Strand	+
Start	17892	End	19073
Name	OJ990501_28.9922.C5.o4.gs	Method	GENSCAN
Start	17892	End	19073
GI	none	Score	.81
Exons	17892..17940, 18796..19073		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14749	Strand	+
Start	21312	End	22125
Name	OJ990501_28.9922.C5.o5.gs	Method	GENSCAN
Start	21312	End	22125
GI	none	Score	.49
Exons	21312..21494, 21925..22125		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14750	Strand	-
Start	6761	End	7905
Name	OJ990501_28.9922.C5.o2.gs	Method	GENSCAN
Start	6761	End	7905
GI	none	Score	.9
Exons	6761..6821, 7640..7905		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o1.np	Method	AAT/NAP
Start	21334	End	28600
GI	5257279	Score	6728
Exons	21334..21541, 23035..23633, 23748..23910, 24127..26844,		

27470..27706, 28055..28600
 GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o6.tw	Method	TBLASTX:Wheat
Start	22671	End	23027
GI	none	Score	104
Exons	22671..23027, 22780..23016		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	22863	End	23449
GI	none	Score	90
Exons	22863..23030, 22864..23028, 23041..23292, 23042..23293, 23151..23297, 23152..23352, 23286..23420, 23290..23448, 23294..23446, 23312..23449		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	23038	End	23616
GI	none	Score	301
Exons	23038..23616, 23042..23575		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	23500	End	23791
GI	none	Score	241
Exons	23500..23790, 23504..23791		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	23593	End	23839
GI	none	Score	118
Exons	23593..23838, 23594..23839		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	23647	End	24127
GI	none	Score	308
Exons	23647..24126, 23651..24127		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600

Name OJ990501_28.9922.C5.o2.tw
 Start 24127
 GI none
 Exons 24127..24630, 24128..24595

Method TBLASTX:Wheat
 End 24630
 Score 294

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o2.tm
 Start 24319
 GI none
 Exons 24319..24759, 24332..24760

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Maize
 End 24760
 Score 205

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o3.ts
 Start 24379
 GI none
 Exons 24379..24624

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Soybean
 End 24624
 Score 204

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o5.tw
 Start 24631
 GI none
 Exons 24631..24933, 24647..24913, 24697..24927

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Wheat
 End 24933
 Score 248

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o1.ts
 Start 24646
 GI none
 Exons 24646..25005, 24647..25003, 25010..25039, 25012..25041

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Soybean
 End 25041
 Score 226

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o6.tm
 Start 24764
 GI none
 Exons 24764..24928, 24766..24927

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Maize
 End 24928
 Score 136

Seq. No. 6999
 Gene No. 14751
 Start 21334
 Name OJ990501_28.9922.C5.o3.tm
 Start 24928
 GI none
 Exons 24928..25398, 25147..25323

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600
 Method TBLASTX:Maize
 End 25398
 Score 69

Seq. No. 6999
 Gene No. 14751
 Start 21334

Seq. ID OJ990501_28.9922.C5
 Strand -
 End 28600

Name	OJ990501_28.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	24982	End	25464
GI	none	Score	95
Exons	24982..25464, 24986..25129, 24991..25344, 25157..25360		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o7.tm	Method	TBLASTX:Maize
Start	25399	End	25561
GI	none	Score	149
Exons	25399..25560, 25400..25561		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o7.tw	Method	TBLASTX:Wheat
Start	25636	End	26014
GI	none	Score	90
Exons	25636..25758, 25637..25747, 25642..25776, 25792..26013, 25846..25926, 25892..26014		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	25694	End	26019
GI	none	Score	70
Exons	25694..25828, 25696..25983, 25696..26019		

Seq. No.	6999	Seq. ID	OJ990501_28.9922.C5
Gene No.	14751	Strand	-
Start	21334	End	28600
Name	OJ990501_28.9922.C5.o8.tw	Method	TBLASTX:Wheat
Start	26566	End	26952
GI	none	Score	81
Exons	26566..26712, 26576..26779, 26737..26952, 26747..26929		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14752	Strand	+
Start	1165	End	1461
Name	OJ990501_28.9922.C6.o1.gs	Method	GENSCAN
Start	1165	End	1461
GI	none	Score	.77
Exons	1165..1461		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14753	Strand	-
Start	2763	End	9737
Name	OJ990501_28.9922.C6.o1.gp	Method	AAT/GAP
Start	2675	End	2976
GI	LIB3432-058-P1-K1-E12	Score	328
Exons	2675..2976		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
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Gene No.	14753	Strand	-
Start	2763	End	9737
Name	OJ990501_28.9922.C6.o2.gs	Method	GENSCAN
Start	2763	End	9737
GI	none	Score	.81
Exons	2763..2958, 3723..3766, 6004..6249, 6675..6941, 7613..7825, 9156..9737		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14753	Strand	-
Start	2763	End	9737
Name	OJ990501_28.9922.C6.o1.np	Method	AAT/NAP
Start	5926	End	9647
GI	6957720	Score	1012
Exons	5926..6249, 6675..6941, 7613..7825, 9156..9647		
GI Descrip.	(AC021640) putative mannose-6-phosphate isomerase [Arabidopsis thaliana]		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14754	Strand	-
Start	11003	End	11944
Name	OJ990501_28.9922.C6.o3.gs	Method	GENSCAN
Start	11003	End	11944
GI	none	Score	.84
Exons	11003..11236, 11840..11944		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14755	Strand	-
Start	13035	End	15107
Name	OJ990501_28.9922.C6.o4.gs	Method	GENSCAN
Start	13035	End	15107
GI	none	Score	.69
Exons	13035..13342, 15008..15107		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14756	Strand	-
Start	15029	End	15300
Name	OJ990501_28.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	5935	End	9584
GI	none	Score	41
Exons	5935..6015, 5936..5962, 6077..6256, 6082..6252, 6655..6942, 6673..6933, 6675..6944, 7610..7840, 7611..7814, 9156..9236, 9172..9237, 9291..9380, 9295..9384, 9441..9491, 9516..9584		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14756	Strand	-
Start	15029	End	15300
Name	OJ990501_28.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	5938	End	6207
GI	none	Score	43
Exons	5938..5973, 5986..6036, 6005..6037, 6055..6207, 6056..6193		

Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14756	Strand	-
Start	15029	End	15300
Name	OJ990501_28.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	6678	End	6945

GI	none	Score	106
Exons	6678..6944, 6687..6881, 6688..6930, 6808..6945		
Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14756	Strand	-
Start	15029	End	15300
Name	OJ990501_28.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	6764	End	9240
GI	none	Score	126
Exons	6764..6934, 6764..6880, 6765..6944, 6766..6939, 7610..7840, 7614..7814, 9168..9239, 9169..9240		
Seq. No.	7000	Seq. ID	OJ990501_28.9922.C6
Gene No.	14756	Strand	-
Start	15029	End	15300
Name	OJ990501_28.9922.C6.o2.gp	Method	AAT/GAP
Start	15029	End	15300
GI	6726_1.R1084	Score	506
Exons	15029..15300		
GI Descrip.	'3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis thaliana]'		
Seq. No.	7001	Seq. ID	OJ990501_28.9922.C7
Gene No.	14757	Strand	+
Start	8115	End	8622
Name	OJ990501_28.9922.C7.o2.gs	Method	GENSCAN
Start	8115	End	8622
GI	none	Score	.73
Exons	8115..8177, 8485..8622		
Seq. No.	7001	Seq. ID	OJ990501_28.9922.C7
Gene No.	14758	Strand	+
Start	10443	End	10646
Name	OJ990501_28.9922.C7.o4.np	Method	AAT/NAP
Start	10443	End	10646
GI	1168696	Score	110
Exons	10443..10646		
GI Descrip.	ALLERGEN BET V 3 (BET V III) gi 629480 pir S45011 allergen Bet v III - European white birch gi 1076247 pir S46233 allergen - European white birch gi 488605 emb CAA55854 (X79267) allergen [Betula pendula]		
Seq. No.	7001	Seq. ID	OJ990501_28.9922.C7
Gene No.	14759	Strand	-
Start	1	End	10503
Name	OJ990501_28.9922.C7.o3.np	Method	AAT/NAP
Start	1	End	10503
GI	5734709	Score	30
Exons	1..21, 4167..4195, 4856..5037, 5321..5446, 10420..10503		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	7001	Seq. ID	OJ990501_28.9922.C7
Gene No.	14759	Strand	-
Start	1	End	10503
Name	OJ990501_28.9922.C7.o1.np	Method	AAT/NAP
Start	317	End	5115

GI 6522538 Score 521
 Exons 317..534, 653..733, 1080..1196, 1300..1401, 2193..2264,
 4189..4340, 4992..5115
 GI Descrip. (AL132955) putative protein [Arabidopsis thaliana]

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7
 Gene No. 14759 Strand -
 Start 1 End 10503
 Name OJ990501_28.9922.C7.o1.tm Method TBLASTX:Maize
 Start 440 End 4428
 GI none Score 148
 Exons 440..532, 442..531, 641..679, 642..680, 664..732, 669..731,
 1048..1104, 1077..1199, 1083..1199, 1339..1437, 1339..1404,
 2184..2270, 2185..2265, 2192..2317, 4189..4281, 4190..4261,
 4314..4415, 4399..4428

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7
 Gene No. 14759 Strand -
 Start 1 End 10503
 Name OJ990501_28.9922.C7.o1.gp Method AAT/GAP
 Start 442 End 1202
 GI 6726_1.R1084 Score 508
 Exons 442..531, 653..733, 1080..1202
 GI Descrip. '3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis
 thaliana]'

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7
 Gene No. 14759 Strand -
 Start 1 End 10503
 Name OJ990501_28.9922.C7.o1.gs Method GENSCAN
 Start 442 End 7490
 GI none Score .67
 Exons 442..531, 653..733, 1080..1212, 1337..1401, 2193..2264,
 4189..4451, 4948..5060, 5300..5471, 5795..5822, 6802..6974,
 7394..7490

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7
 Gene No. 14759 Strand -
 Start 1 End 10503
 Name OJ990501_28.9922.C7.o1.tw Method TBLASTX:Wheat
 Start 1339 End 4441
 GI none Score 90
 Exons 1339..1404, 1340..1402, 1342..1437, 2167..2235, 2180..2266,
 2184..2270, 4189..4281, 4193..4261, 4357..4422, 4393..4440,
 4394..4441

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7
 Gene No. 14759 Strand -
 Start 1 End 10503
 Name OJ990501_28.9922.C7.o2.gp Method AAT/GAP
 Start 1375 End 5197
 GI 42838_1.R1084 Score 1218
 Exons 1375..1401, 2193..2264, 4189..4484, 4948..5197
 GI Descrip. '3461820 3.0e-25 (AC004138) unknown protein [Arabidopsis
 thaliana]'

Seq. No. 7001 Seq. ID OJ990501_28.9922.C7

Gene No.	14759	Strand	-
Start	1	End	10503
Name	OJ990501_28.9922.C7.o3.gp	Method	AAT/GAP
Start	6627	End	7553
GI	15977_1.R1084	Score	998
Exons	6627..6974, 7211..7269, 7394..7553		
GI Descrip.	'3821780/emb AJ009303.1 XLAJ9303 7.0e-10 <i>Xenopus laevis</i> cDNA clone 27A6-1'		

Seq. No.	7001	Seq. ID	OJ990501_28.9922.C7
Gene No.	14759	Strand	-
Start	1	End	10503
Name	OJ990501_28.9922.C7.o4.gp	Method	AAT/GAP
Start	7519	End	8005
GI	none	Score	928
Exons	7519..8005		

Seq. No.	7002	Seq. ID	OJ990501_28.9922.C8
Gene No.	14760	Strand	+
Start	1972	End	2231
Name	OJ990501_28.9922.C8.o1.gp	Method	AAT/GAP
Start	1972	End	2231
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	1972..2231		
GI Descrip.	'287403/dbj D10838 RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	7002	Seq. ID	OJ990501_28.9922.C8
Gene No.	14761	Strand	-
Start	771	End	3251
Name	OJ990501_28.9922.C8.o1.gs	Method	GENSCAN
Start	771	End	3251
GI	none	Score	.58
Exons	771..820, 956..1136, 1331..1356, 1702..1837, 2358..2432, 2786..2974, 3207..3251		

Seq. No.	7003	Seq. ID	OJ990501_28.9922.C9
Gene No.	14762	Strand	+
Start	52	End	325
Name	OJ990501_28.9922.C9.o1.gs	Method	GENSCAN
Start	52	End	325
GI	none	Score	.57
Exons	52..158, 242..325		

Seq. No.	7003	Seq. ID	OJ990501_28.9922.C9
Gene No.	14763	Strand	+
Start	14045	End	14639
Name	OJ990501_28.9922.C9.o1.np	Method	AAT/NAP
Start	14045	End	14639
GI	3063699	Score	131
Exons	14045..14639		
GI Descrip.	(AL022537) putative protein [<i>Arabidopsis thaliana</i>]		

Seq. No.	7003	Seq. ID	OJ990501_28.9922.C9
Gene No.	14764	Strand	-
Start	2715	End	3091
Name	OJ990501_28.9922.C9.o1.gp	Method	AAT/GAP

Start	2715	End	3091
GI	59410_1.R1084	Score	656
Exons	2715..3091		
GI Descrip.	'2499945/sp Q42586 PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir_S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	7004	Seq. ID	OJ990501_28.9922.C10
Gene No.	14765	Strand	-
Start	53	End	381
Name	OJ990501_28.9922.C10.o1.gs	Method	GENSCAN
Start	53	End	381
GI	none	Score	.47
Exons	53..174, 267..381		

Seq. No.	7004	Seq. ID	OJ990501_28.9922.C10
Gene No.	14766	Strand	-
Start	1067	End	2077
Name	OJ990501_28.9922.C10.o1.np	Method	AAT/NAP
Start	1067	End	2077
GI	4680183	Score	188
Exons	1067..1156, 1764..1834, 1972..2077		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7005	Seq. ID	OJ990501_28.9922.C11
Gene No.	14767	Strand	+
Start	103	End	2875
Name	OJ990501_28.9922.C11.o1.gs	Method	GENSCAN
Start	103	End	2875
GI	none	Score	.85
Exons	103..150, 2581..2650, 2736..2875		

Seq. No.	7006	Seq. ID	OJ990501_28.9922.C12
Gene No.	14768	Strand	+
Start	8177	End	8733
Name	OJ990501_28.9922.C12.o1.gp	Method	AAT/GAP
Start	8177	End	8733
GI	none	Score	666
Exons	8177..8733		

Seq. No.	7006	Seq. ID	OJ990501_28.9922.C12
Gene No.	14769	Strand	-
Start	869	End	7107
Name	OJ990501_28.9922.C12.o1.np	Method	AAT/NAP
Start	869	End	7107
GI	4185148	Score	212
Exons	869..888, 2693..3233, 6368..6397, 7055..7107		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	7006	Seq. ID	OJ990501_28.9922.C12
Gene No.	14769	Strand	-

Start	869	End	7107
Name	OJ990501_28.9922.C12.ol.tw	Method	TBLASTX:Wheat
Start	2703	End	3144
GI	none	Score	68
Exons	2703..2780, 2853..3143, 2962..3144		

Seq. No.	7006	Seq. ID	OJ990501_28.9922.C12
Gene No.	14769	Strand	-
Start	869	End	7107
Name	OJ990501_28.9922.C12.ol.tm	Method	TBLASTX:Maize
Start	2790	End	3332
GI	none	Score	87
Exons	2790..3332, 2899..3231		

Seq. No.	7007	Seq. ID	OJ990501_28.9922.C13
Gene No.	14770	Strand	-
Start	1	End	476
Name	OJ990501_28.9922.C13.ol.np	Method	AAT/NAP
Start	1	End	476
GI	2498930	Score	682
Exons	1..476		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	7007	Seq. ID	OJ990501_28.9922.C13
Gene No.	14770	Strand	-
Start	1	End	476
Name	OJ990501_28.9922.C13.ol.gs	Method	GENSCAN
Start	25	End	375
GI	none	Score	.53
Exons	25..375		

Seq. No.	7008	Seq. ID	OJ990421_23.9923.C1
Gene No.	14771	Strand	-
Start	1780	End	2698
Name	OJ990421_23.9923.C1.ol.gs	Method	GENSCAN
Start	1780	End	2698
GI	none	Score	.64
Exons	1780..1969, 2148..2373, 2540..2698		

Seq. No.	7009	Seq. ID	OJ990421_23.9923.C2
Gene No.	14772	Strand	+
Start	133	End	215
Name	OJ990421_23.9923.C2.ol.gs	Method	GENSCAN
Start	133	End	215
GI	none	Score	.97
Exons	133..215		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14773	Strand	+
Start	142	End	551
Name	OJ990421_23.9923.C3.ol.gs	Method	GENSCAN
Start	142	End	551
GI	none	Score	.68
Exons	142..187, 328..551		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
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Gene No.	14774	Strand	+
Start	905	End	2659
Name	OJ990421_23.9923.C3.o2.gs	Method	GENSCAN
Start	905	End	2659
GI	none	Score	.68
Exons	905..916, 2197..2312, 2416..2659		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14775	Strand	+
Start	3448	End	3898
Name	OJ990421_23.9923.C3.o1.gp	Method	AAT/GAP
Start	3448	End	3898
GI	none	Score	845
Exons	3448..3898		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o3.tm	Method	TBLASTX:Maize
Start	3567	End	4932
GI	none	Score	39
Exons	3567..3605, 3725..3754, 3729..3755, 3760..3804, 3761..3805, 3810..3839, 3812..3838, 3866..3895, 4003..4152, 4005..4127, 4069..4158, 4149..4211, 4202..4243, 4279..4482, 4315..4482, 4316..4483, 4317..4490, 4875..4919, 4876..4932		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	4940	End	5546
GI	none	Score	326
Exons	4940..5260, 4942..5262, 4942..5253, 4986..5261, 5178..5387, 5251..5304, 5274..5492, 5314..5496, 5492..5542, 5496..5546		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	4957	End	5504
GI	none	Score	78
Exons	4957..5031, 4989..5030, 5032..5181, 5032..5091, 5034..5198, 5196..5246, 5217..5432, 5245..5445, 5427..5504, 5431..5502		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o2.gp	Method	AAT/GAP
Start	4975	End	5813
GI	none	Score	1654
Exons	4975..5813		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	5325	End	6048

GI	none	Score	56
Exons	5325..5405, 5344..5400, 5427..5537, 5431..5562, 5575..5700, 5705..5827, 5713..5820, 5721..5837, 5722..5844, 5943..6026, 5944..6048, 5945..6043		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	5542	End	6048
GI	none	Score	70
Exons	5542..5631, 5632..5697, 5691..5837, 5701..5844, 5943..5984, 5944..6048, 5945..6043, 5962..6045		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o2.tm	Method	TBLASTX:Maize
Start	5547	End	6036
GI	none	Score	362
Exons	5547..5846, 5548..5865, 5930..6034, 5935..6033, 5959..6036, 5961..6035		

Seq. No.	7010	Seq. ID	OJ990421_23.9923.C3
Gene No.	14776	Strand	-
Start	4975	End	6048
Name	OJ990421_23.9923.C3.o2.ts	Method	TBLASTX:Soybean
Start	5709	End	6048
GI	none	Score	78
Exons	5709..5837, 5715..5837, 5716..5841, 5943..6023, 5944..6048, 5945..6043, 5962..6045		

Seq. No.	7011	Seq. ID	OJ990421_23.9923.C4
Gene No.	14777	Strand	+
Start	2745	End	4811
Name	OJ990421_23.9923.C4.o1.gs	Method	GENSCAN
Start	2745	End	4811
GI	none	Score	.69
Exons	2745..2996, 3421..3578, 4580..4811		

Seq. No.	7011	Seq. ID	OJ990421_23.9923.C4
Gene No.	14778	Strand	+
Start	5926	End	7104
Name	OJ990421_23.9923.C4.o2.gs	Method	GENSCAN
Start	5926	End	7104
GI	none	Score	.79
Exons	5926..5979, 6961..7104		

Seq. No.	7011	Seq. ID	OJ990421_23.9923.C4
Gene No.	14779	Strand	-
Start	8166	End	8277
Name	OJ990421_23.9923.C4.o3.gs	Method	GENSCAN
Start	8166	End	8277
GI	none	Score	.91
Exons	8166..8277		

Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
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Gene No.	14780	Strand	+
Start	187	End	278
Name	OJ990421_23.9923.C5.o1.gs	Method	GENSCAN
Start	187	End	278
GI	none	Score	.96
Exons	187..278		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14781	Strand	+
Start	3913	End	7055
Name	OJ990421_23.9923.C5.o1.np	Method	AAT/NAP
Start	3847	End	7052
GI	283004	Score	1325
Exons	3847..4235, 4956..6330, 6400..6537, 6669..6715, 6782..6935, 6997..7052		
GI Descrip.	DNA-binding protein Gt-2 - rice gi 20249 emb CAA48328 (X68261) gt-2 [Oryza sativa]		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14781	Strand	+
Start	3913	End	7055
Name	OJ990421_23.9923.C5.o1.gp	Method	AAT/GAP
Start	3898	End	5260
GI	43338_1.R1084	Score	1207
Exons	3898..4235, 4956..5260		
GI Descrip.	'283004/pir S28030 3.0e-42 DNA-binding protein Gt-2 - rice >gi_20249_emb_CAA48328_ (X68261) gt-2 [Oryza sativa]'		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14781	Strand	+
Start	3913	End	7055
Name	OJ990421_23.9923.C5.o2.gs	Method	GENSCAN
Start	3913	End	7055
GI	none	Score	.44
Exons	3913..4235, 4956..5385, 5458..6537, 6672..7055		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-
Start	7016	End	7660
Name	OJ990421_23.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	4125	End	6252
GI	none	Score	166
Exons	4125..4244, 4126..4236, 4126..4233, 4926..5102, 4930..5103, 4972..5061; 5437..5661, 5980..6198, 5980..6252, 5982..6086, 6189..6227		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-
Start	7016	End	7660
Name	OJ990421_23.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	4126	End	6252
GI	none	Score	95
Exons	4126..4233, 4972..5061, 5980..6252, 5982..6083, 6008..6100, 6189..6227		
Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-

Start	7016	End	7660
Name	OJ990421_23.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	4126	End	6252
GI	none	Score	108
Exons	4126..4233, 4972..5061, 5979..6086, 5980..6252, 6192..6227		

Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-
Start	7016	End	7660
Name	OJ990421_23.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	5421	End	5663
GI	none	Score	259
Exons	5421..5510, 5422..5655, 5622..5663		

Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-
Start	7016	End	7660
Name	OJ990421_23.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	5545	End	5666
GI	none	Score	182
Exons	5545..5664, 5575..5664, 5616..5666		

Seq. No.	7012	Seq. ID	OJ990421_23.9923.C5
Gene No.	14782	Strand	-
Start	7016	End	7660
Name	OJ990421_23.9923.C5.o2.gp	Method	AAT/GAP
Start	7016	End	7660
GI	none	Score	1249
Exons	7016..7660		

Seq. No.	7013	Seq. ID	OJ990421_23.9923.C7
Gene No.	14783	Strand	-
Start	708	End	1110
Name	OJ990421_23.9923.C7.o1.gs	Method	GENSCAN
Start	708	End	1110
GI	none	Score	.49
Exons	708..740, 1036..1110		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14784	Strand	+
Start	708	End	1372
Name	OJ990421_23.9923.C8.o1.gs	Method	GENSCAN
Start	708	End	1372
GI	none	Score	.73
Exons	708..804, 896..1037, 1270..1372		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14785	Strand	-
Start	1760	End	2086
Name	OJ990421_23.9923.C8.o2.gs	Method	GENSCAN
Start	1760	End	2086
GI	none	Score	.65
Exons	1760..1784, 1962..2086		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14786	Strand	-
Start	2934	End	7073

Name	OJ990421_23.9923.C8.o3.gs	Method	GENSCAN
Start	2934	End	6953
GI	none	Score	.5
Exons	2934..6953		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14786	Strand	-
Start	2934	End	7073
Name	OJ990421_23.9923.C8.o1.np	Method	AAT/NAP
Start	2937	End	7073
GI	2583130	Score	1801
Exons	2937..7073		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o3.tm	Method	TBLASTX:Maize
Start	4351	End	4724
GI	none	Score	71
Exons	4351..4563, 4353..4715, 4614..4724		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o3.tw	Method	TBLASTX:Wheat
Start	4396	End	4785
GI	none	Score	148
Exons	4396..4785, 4398..4784		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	4872	End	5504
GI	none	Score	63
Exons	4872..5003, 5037..5321, 5092..5304, 5310..5504		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o2.tw	Method	TBLASTX:Wheat
Start	5017	End	5396
GI	none	Score	155
Exons	5017..5325, 5034..5351, 5346..5396, 5356..5394		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o4.tw	Method	TBLASTX:Wheat
Start	5397	End	5660
GI	none	Score	160
Exons	5397..5660, 5407..5604		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-

Start	8204	End	9754
Name	OJ990421_23.9923.C8.o5.tw	Method	TBLASTX:Wheat
Start	6582	End	6962
GI	none	Score	77
Exons	6582..6962, 6619..6678		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	8162	End	9580
GI	none	Score	194
Exons	8162..8455, 8214..8417, 8462..8686, 8466..8669, 8708..8869, 8721..8855, 8849..8914, 8978..9106, 9107..9250, 9248..9406, 9458..9580		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o4.gs	Method	GENSCAN
Start	8204	End	9754
GI	none	Score	.99
Exons	8204..9754		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o2.np	Method	AAT/NAP
Start	8207	End	9754
GI	5042429	Score	1230
Exons	8207..9754		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	8216	End	9379
GI	none	Score	289
Exons	8216..8296, 8249..8689, 8253..8669, 8714..8878, 8721..8858, 8873..8917, 9002..9100, 9260..9379		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	8216	End	9553
GI	none	Score	76
Exons	8216..8290, 8309..8449, 8310..8411, 8450..8701, 8466..8669, 8705..8878, 8724..8855, 8882..8914, 9116..9232, 9197..9478, 9383..9553		

Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	8219	End	8576

GI	none	Score	408
Exons	8219..8575, 8220..8576		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o4.tm	Method	TBLASTX:Maize
Start	9113	End	9586
GI	none	Score	90
Exons	9113..9259, 9177..9242, 9383..9586, 9383..9586		
Seq. No.	7014	Seq. ID	OJ990421_23.9923.C8
Gene No.	14787	Strand	-
Start	8204	End	9754
Name	OJ990421_23.9923.C8.o6.tw	Method	TBLASTX:Wheat
Start	9254	End	9595
GI	none	Score	128
Exons	9254..9595, 9254..9394, 9437..9517, 9524..9580		
Seq. No.	7015	Seq. ID	OJ990421_23.9923.C9
Gene No.	14788	Strand	-
Start	1172	End	1263
Name	OJ990421_23.9923.C9.o1.gs	Method	GENSCAN
Start	1172	End	1263
GI	none	Score	.63
Exons	1172..1263		
Seq. No.	7016	Seq. ID	OJ990421_23.9923.C13
Gene No.	14789	Strand	+
Start	123	End	2770
Name	OJ990421_23.9923.C13.o1.gs	Method	GENSCAN
Start	123	End	2770
GI	none	Score	.42
Exons	123..213, 2347..2770		
Seq. No.	7016	Seq. ID	OJ990421_23.9923.C13
Gene No.	14790	Strand	-
Start	3187	End	4247
Name	OJ990421_23.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	77	End	321
GI	none	Score	49
Exons	77..106, 101..244, 105..263, 105..263, 106..264, 268..321, 269..304		
Seq. No.	7016	Seq. ID	OJ990421_23.9923.C13
Gene No.	14790	Strand	-
Start	3187	End	4247
Name	OJ990421_23.9923.C13.o2.gs	Method	GENSCAN
Start	3187	End	4247
GI	none	Score	.57
Exons	3187..3289, 3381..3427, 3579..3876, 4059..4134, 4235..4247		
Seq. No.	7017	Seq. ID	OJ990421_23.9923.C14
Gene No.	14791	Strand	+
Start	1	End	102
Name	OJ990421_23.9923.C14.o1.gp	Method	AAT/GAP
Start	1	End	102

GI LIB3477-003-P1-K1-E9 Score 155
 Exons 1..102
 GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14792 Strand +
 Start 2625 End 2705
 Name OJ990421_23.9923.C14.o2.gp Method AAT/GAP
 Start 2625 End 2705
 GI 38012_1.R1084 Score 99
 Exons 2625..2705
 GI Descrip. '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
 beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14793 Strand +
 Start 3085 End 7405
 Name OJ990421_23.9923.C14.o1.gs Method GENSCAN
 Start 3085 End 5419
 GI none Score .98
 Exons 3085..3978, 4763..5419

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14793 Strand +
 Start 3085 End 7405
 Name OJ990421_23.9923.C14.o1.np Method AAT/NAP
 Start 3312 End 7405
 GI 3451074 Score 732
 Exons 3312..3690, 3745..3978, 4763..5167, 6004..6058, 6142..6243,
 7333..7405
 GI Descrip. (AL031326) putative protein [Arabidopsis thaliana]

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14793 Strand +
 Start 3085 End 7405
 Name OJ990421_23.9923.C14.o2.gs Method GENSCAN
 Start 6496 End 6669
 GI none Score .81
 Exons 6496..6669

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14794 Strand -
 Start 7608 End 9459
 Name OJ990421_23.9923.C14.o1.tc Method TBLASTX:Cress
 Start 3367 End 3927
 GI none Score 156
 Exons 3367..3474, 3375..3476, 3525..3614, 3535..3624, 3679..3843,
 3705..3845, 3832..3927, 3840..3926

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
 Gene No. 14794 Strand -
 Start 7608 End 9459
 Name OJ990421_23.9923.C14.o1.tw Method TBLASTX:Wheat
 Start 3586 End 3917
 GI none Score 60

Exons 3586..3624, 3586..3627, 3679..3726, 3717..3800, 3718..3801,
3837..3872, 3841..3873, 3873..3914, 3873..3917

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
Gene No. 14794 Strand -
Start 7608 End 9459
Name OJ990421_23.9923.C14.o1.ts Method TBLASTX:Soybean
Start 3679 End 4987
GI 5666695 Score 290
Exons 3679..3981, 3705..3971, 4757..4987, 4834..4986
GI Descrip. -

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
Gene No. 14794 Strand -
Start 7608 End 9459
Name OJ990421_23.9923.C14.o1.tm Method TBLASTX:Maize
Start 4787 End 5167
GI none Score 100
Exons 4787..4882, 4889..5167

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
Gene No. 14794 Strand -
Start 7608 End 9459
Name OJ990421_23.9923.C14.o2.tc Method TBLASTX:Cress
Start 4944 End 5408
GI none Score 223
Exons 4944..5099, 4946..5239, 4946..5104, 5068..5220, 5258..5311,
5391..5408

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
Gene No. 14794 Strand -
Start 7608 End 9459
Name OJ990421_23.9923.C14.o2.ts Method TBLASTX:Soybean
Start 5068 End 5483
GI none Score 162
Exons 5068..5238, 5069..5239, 5246..5314, 5394..5483

Seq. No. 7017 Seq. ID OJ990421_23.9923.C14
Gene No. 14794 Strand -
Start 7608 End 9459
Name OJ990421_23.9923.C14.o3.gs Method GENSCAN
Start 7608 End 9459
GI none Score .62
Exons 7608..7753, 7864..7907, 8274..8365, 9104..9310, 9379..9459

Seq. No. 7018 Seq. ID OJ990421_23.9923.C15
Gene No. 14795 Strand +
Start 1061 End 3131
Name OJ990421_23.9923.C15.o1.gp Method AAT/GAP
Start 1061 End 3131
GI 794_1.R1084 Score 1489
Exons 1061..1327, 1688..1776, 2305..2475, 2806..3131
GI Descrip. '2570497 1.0e-69 (AF022731) H protein subunit of glycine
decarboxylase [Oryza sativa]'

Seq. No. 7018 Seq. ID OJ990421_23.9923.C15
Gene No. 14795 Strand +

Start	1061	End	3131
Name	OJ990421_23.9923.C15.o1.gs	Method	GENSCAN
Start	1106	End	2931
GI	none	Score	.97
Exons	1106..1327, 1688..1776, 2305..2475, 2806..2931		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14795	Strand	+
Start	1061	End	3131
Name	OJ990421_23.9923.C15.o1.np	Method	AAT/NAP
Start	1219	End	2926
GI	2570497	Score	598
Exons	1219..1327, 1688..1776, 2305..2475, 2806..2926		
GI Descrip.	(AF022731) H protein subunit of glycine decarboxylase [Oryza sativa]		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14796	Strand	+
Start	3719	End	5140
Name	OJ990421_23.9923.C15.o2.gs	Method	GENSCAN
Start	3719	End	5140
GI	none	Score	.64
Exons	3719..3788, 3850..3902, 4892..5140		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14797	Strand	+
Start	5729	End	6243
Name	OJ990421_23.9923.C15.o2.gp	Method	AAT/GAP
Start	5729	End	6243
GI	none	Score	1009
Exons	5729..6243		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14798	Strand	+
Start	6370	End	6526
Name	OJ990421_23.9923.C15.o3.gp	Method	AAT/GAP
Start	6370	End	6526
GI	2431480	Score	223
Exons	6370..6526		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	1141	End	2965
GI	none	Score	89
Exons	1141..1341, 1181..1318, 1684..1776, 1686..1772, 2286..2477, 2296..2478, 2806..2925, 2808..2888, 2927..2965		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	1215	End	2932
GI	none	Score	74
Exons	1215..1325, 1218..1325, 1219..1326, 1219..1350, 1220..1327, 1686..1775, 1687..1776, 1687..1776, 1688..1777, 1688..1792,		

1695..1793, 2296..2484, 2302..2391, 2304..2474, 2805..2909,
2806..2931, 2873..2932

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o2.tc	Method	TBLASTX:Cress
Start	1686	End	2925
GI	none	Score	115
Exons	1686..1766, 1687..1776, 2296..2478, 2301..2477, 2806..2925, 2811..2909		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o2.tw	Method	TBLASTX:Wheat
Start	2779	End	2955
GI	none	Score	132
Exons	2779..2847, 2805..2906, 2805..2909, 2806..2955		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o3.gs	Method	GENSCAN
Start	5891	End	6502
GI	none	Score	.97
Exons	5891..6502		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o2.np	Method	AAT/NAP
Start	5908	End	6747
GI	4538968	Score	426
Exons	5908..6588, 6699..6747		
GI Descrip.	(AL049488) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	5954	End	6577
GI	none	Score	71
Exons	5954..6085, 6158..6292, 6183..6287, 6323..6529, 6515..6577		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	6119	End	6386
GI	none	Score	278
Exons	6119..6376, 6156..6386, 6213..6380		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o1.tc	Method	TBLASTX:Cress

Start	6156	End	6577
GI	none	Score	67
Exons	6156..6293, 6176..6577, 6333..6575		

Seq. No.	7018	Seq. ID	OJ990421_23.9923.C15
Gene No.	14799	Strand	-
Start	5891	End	6747
Name	OJ990421_23.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	6341	End	6586
GI	none	Score	200
Exons	6341..6586, 6342..6584		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14800	Strand	+
Start	639	End	3162
Name	OJ990421_23.9923.C16.o1.gs	Method	GENSCAN
Start	639	End	3162
GI	none	Score	.43
Exons	639..1005, 2060..2270, 2497..2649, 3021..3162		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14801	Strand	+
Start	6130	End	6491
Name	OJ990421_23.9923.C16.o3.gs	Method	GENSCAN
Start	6130	End	6491
GI	none	Score	.59
Exons	6130..6307, 6439..6491		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14802	Strand	+
Start	8561	End	11997
Name	OJ990421_23.9923.C16.o1.np	Method	AAT/NAP
Start	8396	End	11997
GI	2288999	Score	1092
Exons	8396..8807, 8944..9020, 9502..9608, 9715..9796, 9872..9980, 10210..10256, 10362..10436, 10861..10977, 11301..11369, 11489..11581, 11903..11997		
GI Descrip.	(AC002335) putative electron transfer flavoprotein ubiquinone oxidoreductase [Arabidopsis thaliana]		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14802	Strand	+
Start	8561	End	11997
Name	OJ990421_23.9923.C16.o3.gp	Method	AAT/GAP
Start	8556	End	9615
GI	uC-osroM202028h10b1	Score	769
Exons	8556..8807, 8944..9020, 9502..9615		
GI Descrip.	'2288999 3.0e-28 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]'		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14802	Strand	+
Start	8561	End	11997
Name	OJ990421_23.9923.C16.o4.gs	Method	GENSCAN
Start	8561	End	11581
GI	none	Score	.76
Exons	8561..8807, 8944..9020, 9692..9796, 9872..9984, 10193..10256,		

10362..10436, 10861..10977, 11301..11369, 11489..11581

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14802	Strand	+
Start	8561	End	11997
Name	OJ990421_23.9923.C16.o4.gp	Method	AAT/GAP
Start	9763	End	10436
GI	3768958	Score	413
Exons	9763..9796, 9872..9980, 10210..10256, 10362..10436		
GI Descrip.	2288999 5.0e-28 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14803	Strand	-
Start	662	End	919
Name	OJ990421_23.9923.C16.o1.gp	Method	AAT/GAP
Start	662	End	919
GI	701523	Score	454
Exons	662..919		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14804	Strand	-
Start	6349	End	6518
Name	OJ990421_23.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	297	End	444
GI	none	Score	187
Exons	297..443, 298..444		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14804	Strand	-
Start	6349	End	6518
Name	OJ990421_23.9923.C16.o2.gp	Method	AAT/GAP
Start	6349	End	6518
GI	uC-osflcyp039h04b1	Score	297
Exons	6349..6518		
GI Descrip.	'1617274/emb CAA96522 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14805	Strand	-
Start	8651	End	11997
Name	OJ990421_23.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	8651	End	11997
GI	none	Score	176
Exons	8651..8812, 8681..8809, 8731..8811, 8888..9019, 8943..9020, 8944..9021, 9502..9606, 9504..9608, 9712..9795, 9713..9799, 9713..9799, 9714..9800, 9869..9982, 9870..9980, 9871..9981, 10197..10256, 10199..10273, 10199..10264, 10359..10439, 10359..10436, 10360..10440, 10361..10438, 10858..10938, 10859..11002, 10859..10975, 10860..10976, 10861..11007, 11298..11369, 11300..11368, 11465..11581, 11481..11576, 11482..11577, 11897..11929, 11909..11929, 11930..11992, 11932..11997, 11933..11995		

Seq. No.	7019	Seq. ID	OJ990421_23.9923.C16
Gene No.	14805	Strand	-
Start	8651	End	11997

Name	OJ990421_23.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	10232	End	11967
GI	none	Score	43
Exons	10232..10267, 10233..10256, 10359..10439, 10361..10438, 10859..10978, 10860..10976, 10861..11007, 11298..11369, 11306..11368, 11465..11581, 11481..11579, 11482..11580, 11917..11967, 11918..11965		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14806	Strand	+
Start	1	End	2229
Name	OJ990421_23.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	2288999	Score	661
Exons	1..156, 309..358, 469..535, 655..734, 1030..1158, 1266..1332, 1421..1501		
GI Descrip.	(AC002335) putative electron transfer flavoprotein ubiquinone oxidoreductase [Arabidopsis thaliana]		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14806	Strand	+
Start	1	End	2229
Name	OJ990421_23.9923.C17.o1.gs	Method	GENSCAN
Start	34	End	2229
GI	none	Score	.73
Exons	34..156, 309..358, 469..535, 655..734, 1266..1332, 1421..1472, 1968..2063, 2141..2229		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14806	Strand	+
Start	1	End	2229
Name	OJ990421_23.9923.C17.o1.gp	Method	AAT/GAP
Start	1253	End	1708
GI	3768959	Score	575
Exons	1253..1332, 1421..1708		
GI Descrip.	2288999 5.0e-16 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14807	Strand	+
Start	7716	End	8186
Name	OJ990421_23.9923.C17.o4.gp	Method	AAT/GAP
Start	7716	End	8186
GI	8547_1.R1084	Score	857
Exons	7716..8186		
GI Descrip.	'2288999 5.0e-16 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]'		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	67	End	1512
GI	none	Score	166
Exons	67..168, 67..171, 308..358, 309..359, 467..541, 475..534, 640..777, 652..741, 1001..1159, 1008..1157, 1021..1161, 1022..1162, 1267..1332, 1267..1332, 1281..1337, 1405..1503,		

1412..1504, 1418..1504, 1420..1512

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	1022	End	1510
GI	none	Score	89
Exons	1022..1156, 1267..1332, 1405..1485, 1412..1510, 1412..1504		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o2.ts	Method	TBLASTX:Soybean
Start	1282	End	1507
GI	none	Score	70
Exons	1282..1332, 1405..1503, 1412..1507		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o2.gp	Method	AAT/GAP
Start	3519	End	3797
GI	3761197	Score	529
Exons	3519..3797		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o2.gs	Method	GENSCAN
Start	3871	End	5153
GI	none	Score	.51
Exons	3871..4746, 4789..4960, 5020..5153		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o2.np	Method	AAT/NAP
Start	3916	End	4707
GI	5042435	Score	859
Exons	3916..4707		

GI Descrip. (AC006193) Unknown protein [Arabidopsis thaliana]

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	4084	End	4653
GI	none	Score	89
Exons	4084..4194, 4085..4207, 4204..4344, 4205..4333, 4372..4653, 4382..4486, 4535..4648		

Seq. No.	7020	Seq. ID	OJ990421_23.9923.C17
Gene No.	14808	Strand	-
Start	3871	End	5153
Name	OJ990421_23.9923.C17.o3.gp	Method	AAT/GAP
Start	4105	End	4781

GI 10616 2.R1084 Score 1299
 Exons 4105..4781
 GI Descrip. '5042435/gb|AAD38274.1|AC006193_30 8.0e-68 (AC006193) Unknown protein [Arabidopsis thaliana]'

Seq. No. 7020 Seq. ID OJ990421_23.9923.C17
 Gene No. 14808 Strand -
 Start 3871 End 5153
 Name OJ990421_23.9923.C17.o2.tm Method TBLASTX:Maize
 Start 4435 End 4675
 GI none Score 244
 Exons 4435..4662, 4436..4675

Seq. No. 7021 Seq. ID OJ990421_11.9923.C3
 Gene No. 14809 Strand -
 Start 143 End 301
 Name OJ990421_11.9923.C3.o1.gs Method GENSCAN
 Start 143 End 301
 GI none Score .76
 Exons 143..301

Seq. No. 7022 Seq. ID OJ990421_11.9923.C5
 Gene No. 14810 Strand +
 Start 253 End 435
 Name OJ990421_11.9923.C5.o1.gs Method GENSCAN
 Start 253 End 435
 GI none Score .66
 Exons 253..435

Seq. No. 7023 Seq. ID OJ990421_11.9923.C8
 Gene No. 14811 Strand -
 Start 112 End 619
 Name OJ990421_11.9923.C8.o1.gp Method AAT/GAP
 Start 112 End 619
 GI LIB3434-038-P1-K1-F1 Score 758
 Exons 112..619
 GI Descrip. '5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No. 7024 Seq. ID OJ990421_11.9923.C10
 Gene No. 14812 Strand -
 Start 1 End 1712
 Name OJ990421_11.9923.C10.o1.np Method AAT/NAP
 Start 1 End 1712
 GI 6822068 Score 1125
 Exons 1..1712
 GI Descrip. (AL132957) SCARECROW1 [Arabidopsis thaliana]

Seq. No. 7024 Seq. ID OJ990421_11.9923.C10
 Gene No. 14812 Strand -
 Start 1 End 1712
 Name OJ990421_11.9923.C10.o1.gs Method GENSCAN
 Start 82 End 1577
 GI none Score .73
 Exons 82..1577

Seq. No. 7024 Seq. ID OJ990421_11.9923.C10

Gene No.	14812	Strand	-
Start	1	End	1712
Name	OJ990421_11.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	176	End	771
GI	none	Score	481
Exons	176..592, 178..603, 652..771, 653..754		
Seq. No.	7024	Seq. ID	OJ990421_11.9923.C10
Gene No.	14812	Strand	-
Start	1	End	1712
Name	OJ990421_11.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	178	End	1308
GI	none	Score	470
Exons	178..603, 179..592, 649..828, 653..754, 1156..1242, 1273..1308		
Seq. No.	7024	Seq. ID	OJ990421_11.9923.C10
Gene No.	14812	Strand	-
Start	1	End	1712
Name	OJ990421_11.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	178	End	340
GI	none	Score	215
Exons	178..339, 179..340		
Seq. No.	7024	Seq. ID	OJ990421_11.9923.C10
Gene No.	14812	Strand	-
Start	1	End	1712
Name	OJ990421_11.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	340	End	853
GI	none	Score	494
Exons	340..828, 341..826, 818..853		
Seq. No.	7025	Seq. ID	OJ990421_11.9923.C11
Gene No.	14813	Strand	+
Start	91	End	428
Name	OJ990421_11.9923.C11.o1.gs	Method	GENSCAN
Start	91	End	428
GI	none	Score	.79
Exons	91..273, 346..428		
Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o1.np	Method	AAT/NAP
Start	1	End	4305
GI	4678924	Score	264
Exons	1..23, 2014..2138, 2257..2446, 3101..3160, 4282..4305		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		
Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o4.np	Method	AAT/NAP
Start	1	End	17655
GI	5257279	Score	151
Exons	1..55, 17395..17655		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o2.np	Method	AAT/NAP
Start	1	End	9942
GI	2494119	Score	438
Exons	1..34, 7530..7657, 7845..7988, 8076..8288, 8471..8672, 9815..9942		
GI Descrip.	(AC002376) EST gb T04104 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o1.gs	Method	GENSCAN
Start	1429	End	4020
GI	none	Score	.63
Exons	1429..1676, 1744..2278, 3087..3240, 3680..3867, 3998..4020		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o3.gs	Method	GENSCAN
Start	5962	End	10228
GI	none	Score	.58
Exons	5962..6350, 6851..6872, 6957..7073, 7495..7605, 7845..7988, 8076..8288, 8471..8618, 9780..10228		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o1.gp	Method	AAT/GAP
Start	8456	End	8699
GI	2797196	Score	449
Exons	8456..8699		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o4.gs	Method	GENSCAN
Start	11210	End	11885
GI	none	Score	.5
Exons	11210..11339, 11614..11885		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14814	Strand	+
Start	1	End	17655
Name	OJ990421_11.9923.C14.o5.gs	Method	GENSCAN
Start	12967	End	13407
GI	none	Score	.74
Exons	12967..13407		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14815	Strand	+
Start	18976	End	32191
Name	OJ990421_11.9923.C14.o7.gs	Method	GENSCAN

Start	18976	End	21836
GI	none	Score	.53
Exons	18976..19024, 19275..19435, 19873..19899, 20240..20315, 20818..21186, 21562..21836		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14815	Strand	+
Start	18976	End	32191
Name	OJ990421_11.9923.C14.o2.gp	Method	AAT/GAP
Start	19129	End	19650
GI	LIB3434-038-P1-K1-F1	Score	780
Exons	19129..19650		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14815	Strand	+
Start	18976	End	32191
Name	OJ990421_11.9923.C14.o5.np	Method	AAT/NAP
Start	20855	End	32191
GI	3786007	Score	1168
Exons	20855..20894, 27758..27855, 29219..29375, 30304..30593, 30761..31118, 31200..31751, 31913..32191		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14815	Strand	+
Start	18976	End	32191
Name	OJ990421_11.9923.C14.o9.gs	Method	GENSCAN
Start	27712	End	32191
GI	none	Score	.72
Exons	27712..27856, 28534..28643, 29232..29388, 29498..29550, 30304..30593, 30761..31118, 31200..31751, 31913..32191		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14815	Strand	+
Start	18976	End	32191
Name	OJ990421_11.9923.C14.o3.gp	Method	AAT/GAP
Start	30872	End	31410
GI	2312480	Score	848
Exons	30872..31118, 31200..31410		
GI Descrip.	3786007 2.0e-32 (AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14816	Strand	+
Start	46910	End	47756
Name	OJ990421_11.9923.C14.o11.gs	Method	GENSCAN
Start	46910	End	47756
GI	none	Score	.51
Exons	46910..47124, 47156..47251, 47660..47756		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14817	Strand	-
Start	4506	End	5185
Name	OJ990421_11.9923.C14.o2.gs	Method	GENSCAN
Start	4506	End	5185

GI	none	Score	.94
Exons	4506..4856, 4925..5185		
Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14818	Strand	-
Start	10335	End	12854
Name	OJ990421_11.9923.C14.o3.np	Method	AAT/NAP
Start	10335	End	12854
GI	6539588	Score	83
Exons	10335..10371, 11992..12112, 12828..12854		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14819	Strand	-
Start	15236	End	17578
Name	OJ990421_11.9923.C14.o6.gs	Method	GENSCAN
Start	15236	End	17578
GI	none	Score	.71
Exons	15236..15288, 15447..15616, 16083..16180, 16873..16953, 17111..17218, 17423..17578		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14820	Strand	-
Start	22583	End	26005
Name	OJ990421_11.9923.C14.o8.gs	Method	GENSCAN
Start	22583	End	26005
GI	none	Score	.59
Exons	22583..22665, 22738..22920, 23297..23543, 25901..26005		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14821	Strand	-
Start	33907	End	42777
Name	OJ990421_11.9923.C14.o10.gs	Method	GENSCAN
Start	33907	End	42777
GI	none	Score	.4
Exons	33907..34273, 34320..34396, 35127..35611, 35836..36616, 36724..36918, 37533..38335, 38361..39263, 39277..39399, 39691..39806, 39986..40130, 40806..40959, 41546..41891, 42012..42114, 42146..42249, 42644..42777		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14822	Strand	-
Start	49000	End	49954
Name	OJ990421_11.9923.C14.o7.np	Method	AAT/NAP
Start	48802	End	49908
GI	3482932	Score	571
Exons	48802..48844, 49023..49455, 49562..49908		
GI Descrip.	(AC003970) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14822	Strand	-
Start	49000	End	49954
Name	OJ990421_11.9923.C14.o12.gs	Method	GENSCAN
Start	49000	End	49954
GI	none	Score	.98
Exons	49000..49455, 49562..49954		

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o7.tm
 Start 1493
 GI none
 Exons 1493..1708, 1494..1709

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Maize
 End 1709
 Score 198

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o4.tm
 Start 2026
 GI none
 Exons 2026..2136, 2034..2138, 2254..2442, 2255..2455, 2256..2444, 2608..2655, 2730..2906, 2732..2884, 2742..2888, 2938..2982

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Maize
 End 2982
 Score 115

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o4.ts
 Start 2059
 GI none
 Exons 2059..2136, 2073..2156, 2254..2445, 2255..2437

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Soybean
 End 2445
 Score 95

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o4.tc
 Start 2065
 GI none
 Exons 2065..2136, 2073..2138, 2254..2439, 2255..2443

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Cress
 End 2443
 Score 90

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o1.ts
 Start 4521
 GI none
 Exons 4521..4832, 4576..4743, 4922..4990, 4926..4991, 5003..5236, 5057..5119

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Soybean
 End 5236
 Score 89

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o3.tc
 Start 4554
 GI none
 Exons 4554..4820, 4937..4990, 5003..5167, 5003..5239

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Cress
 End 5239
 Score 78

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o5.tm
 Start 4920
 GI none
 Exons 4920..4985, 4925..4996, 5004..5228, 5006..5236, 5006..5230

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Maize
 End 5236
 Score 51

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	4937	End	5276
GI	none	Score	141
Exons	4937..5242, 4943..5170, 5019..5249, 5172..5276		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o6.tm	Method	TBLASTX:Maize
Start	7489	End	8162
GI	none	Score	126
Exons	7489..7608, 7494..7604, 7687..7722, 7831..7944, 7845..7946, 7852..7947, 7931..7990, 7945..7989, 8075..8140, 8076..8162		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o5.ts	Method	TBLASTX:Soybean
Start	7824	End	8162
GI	none	Score	171
Exons	7824..7976, 7874..7975, 8075..8125, 8076..8162		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	30379	End	32116
GI	none	Score	56
Exons	30379..30474, 30481..30585, 30771..30983, 31020..31118, 31197..31334, 31422..31646, 31427..31600, 31641..31739, 31943..32116		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	30759	End	31646
GI	none	Score	250
Exons	30759..31118, 31215..31319, 31404..31646, 31430..31588		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	30782	End	32026
GI	none	Score	107
Exons	30782..30829, 30827..30988, 30830..30988, 30831..31013, 30831..31004, 31023..31118, 31052..31120, 31197..31316, 31199..31306, 31427..31624, 31431..31751, 31530..31721, 31955..32026		

Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-

Start 51964
 Name OJ990421_11.9923.C14.o3.tw
 Start 31437
 GI none
 Exons 31437..31601, 31650..31733

End 52320
 Method TBLASTX:Wheat
 End 31733
 Score 151

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o5.tc
 Start 31931
 GI none
 Exons 31931..32182, 31984..32181

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Cress
 End 32182
 Score 188

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o8.tm
 Start 37140
 GI none
 Exons 37140..37292, 37362..37607

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Maize
 End 37607
 Score 141

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o3.tm
 Start 38172
 GI none
 Exons 38172..38312, 38356..38610, 38665..39090, 38684..38908, 38983..39066

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Maize
 End 39090
 Score 116

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o2.tw
 Start 49040
 GI none
 Exons 49040..49330, 49045..49329

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Wheat
 End 49330
 Score 127

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o2.tc
 Start 49042
 GI none
 Exons 49042..49332, 49051..49356, 49061..49336

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Cress
 End 49356
 Score 143

Seq. No. 7026
 Gene No. 14823
 Start 51964
 Name OJ990421_11.9923.C14.o3.ts
 Start 49127
 GI none
 Exons 49127..49345, 49129..49356, 49132..49323, 49136..49342, 49200..49355

Seq. ID OJ990421_11.9923.C14
 Strand -
 End 52320
 Method TBLASTX:Soybean
 End 49356
 Score 118

Seq. No. 7026

Seq. ID OJ990421_11.9923.C14

Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	49138	End	49449
GI	none	Score	323
Exons	49138..49449, 49139..49342		
Seq. No.	7026	Seq. ID	OJ990421_11.9923.C14
Gene No.	14823	Strand	-
Start	51964	End	52320
Name	OJ990421_11.9923.C14.o13.gs	Method	GENSCAN
Start	51964	End	52320
GI	none	Score	.87
Exons	51964..52320		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o1.np	Method	AAT/NAP
Start	1	End	5871
GI	5902445	Score	1128
Exons	1..103, 768..1513, 2000..2336, 5812..5871		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o3.tw	Method	TBLASTX:Wheat
Start	805	End	1019
GI	none	Score	228
Exons	805..1017, 807..1019		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	963	End	1346
GI	none	Score	289
Exons	963..1247, 964..1248, 1236..1346		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	1020	End	1439
GI	none	Score	281
Exons	1020..1250, 1021..1251, 1233..1439, 1259..1432		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	1099	End	1469
GI	none	Score	154
Exons	1099..1242, 1116..1241, 1287..1469		
Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16

Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o2.tw	Method	TBLASTX:Wheat
Start	1995	End	2261
GI	none	Score	254
Exons	1995..2261, 2025..2168, 2093..2257		

Seq. No.	7027	Seq. ID	OJ990421_11.9923.C16
Gene No.	14824	Strand	+
Start	1	End	5871
Name	OJ990421_11.9923.C16.o2.np	Method	AAT/NAP
Start	2012	End	3470
GI	5042454	Score	367
Exons	2012..2156, 2741..2768, 2994..3169, 3417..3470		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7028	Seq. ID	OJ990421_11.9923.C17
Gene No.	14825	Strand	+
Start	195	End	495
Name	OJ990421_11.9923.C17.o1.gs	Method	GENSCAN
Start	195	End	495
GI	none	Score	.69
Exons	195..495		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14826	Strand	-
Start	53	End	4956
Name	OJ990421_11.9923.C19.o1.gs	Method	GENSCAN
Start	53	End	4956
GI	none	Score	.83
Exons	53..145, 508..630, 1068..1217, 1265..1385, 1572..1639, 1828..1899, 2497..2627, 3025..3260, 4622..4956		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14826	Strand	-
Start	53	End	4956
Name	OJ990421_11.9923.C19.o1.np	Method	AAT/NAP
Start	56	End	4944
GI	3786005	Score	1404
Exons	56..124, 508..630, 712..777, 1265..1385, 1572..1639, 1828..1899, 2432..2613, 3025..3260, 4622..4944		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14826	Strand	-
Start	53	End	4956
Name	OJ990421_11.9923.C19.o1.gp	Method	AAT/GAP
Start	106	End	521
GI	none	Score	732
Exons	106..521		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14826	Strand	-
Start	53	End	4956
Name	OJ990421_11.9923.C19.o2.gp	Method	AAT/GAP
Start	1562	End	3170

GI LIB3432-052-P1-K1-C8 Score 762
 Exons 1562..1639, 1828..1899, 2432..2613, 3025..3170
 GI Descrip. '3786005 1.0e-60 (AC005499) putative phosphoethanolamine
 cytidylyltransferase [Arabidopsis thaliana]'

Seq. No. 7029 Seq. ID OJ990421_11.9923.C19
 Gene No. 14827 Strand -
 Start 6472 End 9282
 Name OJ990421_11.9923.C19.o1.ts Method TBLASTX:Soybean
 Start 13 End 5093
 GI none Score 171
 Exons 13..51, 53..127, 499..633, 509..631, 712..777, 716..778,
 718..777, 1250..1363, 1253..1387, 1259..1387, 1266..1388,
 1502..1633, 1572..1640, 1574..1639, 1825..1902, 1827..1907,
 1828..1902, 1829..1906, 2427..2564, 2432..2581, 2433..2579,
 2564..2632, 3023..3148, 3023..3262, 3024..3254, 3025..3255,
 4621..4776, 4622..4777, 4624..4803, 4648..4776, 4748..4780,
 4832..4858, 4855..4932, 4856..4912, 4861..4938, 4881..4937,
 5061..5093

Seq. No. 7029 Seq. ID OJ990421_11.9923.C19
 Gene No. 14827 Strand -
 Start 6472 End 9282
 Name OJ990421_11.9923.C19.o2.tm Method TBLASTX:Maize
 Start 13 End 5093
 GI none Score 171
 Exons 13..51, 53..127, 499..633, 509..631, 712..777, 716..778,
 718..777, 1502..1633, 1572..1640, 1574..1639, 1825..1902,
 1828..1902, 1829..1906, 2427..2564, 2432..2581, 2433..2579,
 2509..2619, 2583..2633, 4621..4776, 4622..4777, 4624..4803,
 4648..4776, 4748..4780, 4832..4858, 4855..4932, 4856..4912,
 4861..4938, 4881..4937, 5061..5093

Seq. No. 7029 Seq. ID OJ990421_11.9923.C19
 Gene No. 14827 Strand -
 Start 6472 End 9282
 Name OJ990421_11.9923.C19.o2.tc Method TBLASTX:Cress
 Start 712 End 3173
 GI none Score 101
 Exons 712..777, 1235..1378, 1259..1387, 1266..1388, 1266..1391,
 1267..1392, 1572..1640, 1574..1639, 1825..1902, 1829..1900,
 1829..1906, 2432..2521, 2442..2522, 2495..2635, 2505..2633,
 3023..3148, 3023..3172, 3075..3173

Seq. No. 7029 Seq. ID OJ990421_11.9923.C19
 Gene No. 14827 Strand -
 Start 6472 End 9282
 Name OJ990421_11.9923.C19.o1.tm Method TBLASTX:Maize
 Start 1250 End 3283
 GI none Score 331
 Exons 1250..1351, 3023..3283, 3024..3263

Seq. No. 7029 Seq. ID OJ990421_11.9923.C19
 Gene No. 14827 Strand -
 Start 6472 End 9282
 Name OJ990421_11.9923.C19.o1.tw Method TBLASTX:Wheat
 Start 1834 End 5062

GI	none	Score	89
Exons	1834..1875, 4724..4777, 4726..4776, 4767..4784, 4816..4944, 4817..4912, 5042..5062		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	4615	End	4926
GI	none	Score	141
Exons	4615..4776, 4616..4777, 4861..4926		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o2.gs	Method	GENSCAN
Start	6472	End	8109
GI	none	Score	.96
Exons	6472..6639, 6822..6936, 7218..7309, 7414..7499, 8019..8109		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o3.tm	Method	TBLASTX:Maize
Start	6472	End	9224
GI	none	Score	94
Exons	6472..6546, 6534..6608, 6591..6641, 6814..6894, 6822..6929, 6822..6935, 7206..7310, 7217..7309, 7220..7330, 7236..7310, 7408..7500, 7424..7501, 8020..8118, 8022..8120, 8026..8121, 9056..9085, 9058..9207, 9090..9224		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o2.np	Method	AAT/NAP
Start	6475	End	9151
GI	4972062	Score	445
Exons	6475..6639, 6822..6936, 7218..7309, 7414..7499, 8019..8118, 9062..9151		
GI Descrip.	(AL078470) putative protein [Arabidopsis thaliana]		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o3.tc	Method	TBLASTX:Cress
Start	6814	End	8118
GI	none	Score	94
Exons	6814..6894, 6822..6935, 7220..7309, 7230..7313, 7403..7501, 7408..7500, 8023..8118		

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o2.ts	Method	TBLASTX:Soybean
Start	7196	End	8115
GI	none	Score	65
Exons	7196..7309, 7230..7310, 7240..7350, 7243..7311, 7250..7330,		

7408..7440, 7408..7500, 7418..7501, 8023..8115

Seq. No.	7029	Seq. ID	OJ990421_11.9923.C19
Gene No.	14827	Strand	-
Start	6472	End	9282
Name	OJ990421_11.9923.C19.o3.gp	Method	AAT/GAP
Start	7998	End	9282
GI	LIB3433-053-P1-K1-A6	Score	604
Exons	7998..8118, 9062..9282		
GI Descrip.	'4972062/emb CAB43930.1 4.0e-13 (AL078470) putative protein [Arabidopsis thaliana]'		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14828	Strand	-
Start	449	End	9423
Name	OJ990421_11.9923.C22.o1.gs	Method	GENSCAN
Start	449	End	9423
GI	none	Score	.43
Exons	449..732, 3229..3385, 5137..5215, 5416..5602, 5708..6006, 6742..6785, 6846..7842, 7857..8075, 8161..9423		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14828	Strand	-
Start	449	End	9423
Name	OJ990421_11.9923.C22.o1.np	Method	AAT/NAP
Start	6829	End	9385
GI	4558666	Score	1488
Exons	6829..8075, 8161..9385		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	6937	End	7060
GI	none	Score	158
Exons	6937..7059, 6938..7060		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	7333	End	7681
GI	none	Score	408
Exons	7333..7680, 7334..7681		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o2.tc	Method	TBLASTX:Cress
Start	7357	End	7662
GI	none	Score	168
Exons	7357..7401, 7423..7662		

Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289

Name	OJ990421_11.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	7794	End	8241
GI	none	Score	81
Exons	7794..8075, 8158..8241		
Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o2.ts	Method	TBLASTX:Soybean
Start	8347	End	8541
GI	none	Score	72
Exons	8347..8541, 8348..8491, 8401..8538		
Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	8791	End	9189
GI	none	Score	167
Exons	8791..8883, 8962..9189		
Seq. No.	7030	Seq. ID	OJ990421_11.9923.C22
Gene No.	14829	Strand	-
Start	10119	End	10289
Name	OJ990421_11.9923.C22.o2.gs	Method	GENSCAN
Start	10119	End	10289
GI	none	Score	.72
Exons	10119..10289		
Seq. No.	7031	Seq. ID	OJ990421_11.9923.C23
Gene No.	14830	Strand	+
Start	176	End	358
Name	OJ990421_11.9923.C23.o1.gs	Method	GENSCAN
Start	176	End	358
GI	none	Score	.54
Exons	176..358		
Seq. No.	7032	Seq. ID	OJ990421_11.9923.C24
Gene No.	14831	Strand	+
Start	63	End	112
Name	OJ990421_11.9923.C24.o1.gs	Method	GENSCAN
Start	63	End	112
GI	none	Score	.76
Exons	63..112		
Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14832	Strand	+
Start	992	End	1635
Name	OJ990421_11.9923.C25.o1.gs	Method	GENSCAN
Start	992	End	1635
GI	none	Score	.7
Exons	992..1021, 1495..1635		
Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o1.gp	Method	AAT/GAP

Start	1727	End	2298
GI	16838_1.R1084	Score	1012
Exons	1727..2298		
GI Descrip.	'1497987 5.0e-33 (U62798) SCARECROW [Arabidopsis thaliana]'		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	1983	End	2260
GI	none	Score	317
Exons	1983..2258, 1985..2260, 1989..2258		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o1.np	Method	AAT/NAP
Start	1985	End	3692
GI	1497987	Score	786
Exons	1985..2411, 3524..3692		
GI Descrip.	(U62798) SCARECROW [Arabidopsis thaliana]		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	1991	End	3691
GI	none	Score	235
Exons	1991..2413, 1992..2267, 1998..2420, 2171..2398, 2340..2414, 3523..3687, 3524..3691		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o3.ts	Method	TBLASTX:Soybean
Start	1991	End	2195
GI	none	Score	131
Exons	1991..2194, 1992..2195		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	2222	End	2415
GI	none	Score	141
Exons	2222..2413, 2222..2413, 2224..2415		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o2.tm	Method	TBLASTX:Maize
Start	2270	End	3691
GI	none	Score	133
Exons	2270..2413, 2270..2413, 3523..3690, 3524..3691		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-

Start	1727	End	3692
Name	OJ990421_11.9923.C25.o2.gp	Method	AAT/GAP
Start	3187	End	3322
GI	LIB3474-009-P1-K1-F11	Score	227
Exons	3187..3322		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	7033	Seq. ID	OJ990421_11.9923.C25
Gene No.	14833	Strand	-
Start	1727	End	3692
Name	OJ990421_11.9923.C25.o2.ts	Method	TBLASTX:Soybean
Start	3521	End	3691
GI	none	Score	156
Exons	3521..3691, 3523..3687		

Seq. No.	7034	Seq. ID	OJ990421_11.9923.C26
Gene No.	14834	Strand	-
Start	24	End	72
Name	OJ990421_11.9923.C26.o1.gs	Method	GENSCAN
Start	24	End	72
GI	none	Score	.9
Exons	24..72		

Seq. No.	7035	Seq. ID	OJ990421_11.9923.C27
Gene No.	14835	Strand	-
Start	413	End	548
Name	OJ990421_11.9923.C27.o1.gp	Method	AAT/GAP
Start	413	End	548
GI	LIB3474-009-P1-K1-F11	Score	224
Exons	413..548		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	7036	Seq. ID	OJ990421_11.9923.C29
Gene No.	14836	Strand	+
Start	314	End	553
Name	OJ990421_11.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	312	End	553
GI	none	Score	148
Exons	312..389, 313..405, 503..553, 504..551		

Seq. No.	7036	Seq. ID	OJ990421_11.9923.C29
Gene No.	14836	Strand	+
Start	314	End	553
Name	OJ990421_11.9923.C29.o1.gs	Method	GENSCAN
Start	314	End	399
GI	none	Score	.73
Exons	314..399		

Seq. No.	7036	Seq. ID	OJ990421_11.9923.C29
Gene No.	14836	Strand	+
Start	314	End	553
Name	OJ990421_11.9923.C29.o1.np	Method	AAT/NAP
Start	314	End	553
GI	3687235	Score	114
Exons	314..399, 504..553		

GI Descrip. (AC005169) copia-like retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	7037	Seq. ID	OJ990421_11.9923.C31
Gene No.	14837	Strand	+
Start	1	End	1248
Name	OJ990421_11.9923.C31.ol.np	Method	AAT/NAP
Start	1	End	1203
GI	2462134	Score	446
Exons	1..1203		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	7037	Seq. ID	OJ990421_11.9923.C31
Gene No.	14837	Strand	+
Start	1	End	1248
Name	OJ990421_11.9923.C31.ol.gs	Method	GENSCAN
Start	126	End	636
GI	none	Score	.52
Exons	126..222, 514..636		

Seq. No.	7037	Seq. ID	OJ990421_11.9923.C31
Gene No.	14837	Strand	+
Start	1	End	1248
Name	OJ990421_11.9923.C31.ol.tm	Method	TBLASTX:Maize
Start	823	End	1248
GI	none	Score	290
Exons	823..1248, 847..930, 1005..1229		

Seq. No.	7038	Seq. ID	OJ990421_11.9923.C32
Gene No.	14838	Strand	+
Start	1	End	605
Name	OJ990421_11.9923.C32.ol.np	Method	AAT/NAP
Start	1	End	605
GI	6498441	Score	614
Exons	1..147, 321..605		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7038	Seq. ID	OJ990421_11.9923.C32
Gene No.	14838	Strand	+
Start	1	End	605
Name	OJ990421_11.9923.C32.ol.tm	Method	TBLASTX:Maize
Start	5	End	360
GI	none	Score	279
Exons	5..262, 12..194, 13..261, 250..360		

Seq. No.	7038	Seq. ID	OJ990421_11.9923.C32
Gene No.	14838	Strand	+
Start	1	End	605
Name	OJ990421_11.9923.C32.ol.tw	Method	TBLASTX:Wheat
Start	34	End	453
GI	none	Score	281
Exons	34..264, 35..265, 247..453, 273..446		

Seq. No.	7038	Seq. ID	OJ990421_11.9923.C32
Gene No.	14838	Strand	+

Start 1
 Name OJ990421_11.9923.C32.o1.gs
 Start 62
 GI none
 Exons 62..304

End 605
 Method GENSCAN
 End 304
 Score .82

Seq. No. 7038
 Gene No. 14838
 Start 1
 Name OJ990421_11.9923.C32.o1.ts
 Start 113
 GI none
 Exons 113..256, 130..255, 253..483

Seq. ID OJ990421_11.9923.C32
 Strand +
 End 605
 Method TBLASTX:Soybean
 End 483
 Score 154

Seq. No. 7039
 Gene No. 14839
 Start 293
 Name OJ990421_11.9923.C34.o1.gs
 Start 293
 GI none
 Exons 293..547

Seq. ID OJ990421_11.9923.C34
 Strand +
 End 547
 Method GENSCAN
 End 547
 Score .59

Seq. No. 7040
 Gene No. 14840
 Start 140
 Name OJ990401_11.9922.C4.o1.gs
 Start 140
 GI none
 Exons 140..205

Seq. ID OJ990401_11.9922.C4
 Strand -
 End 205
 Method GENSCAN
 End 205
 Score .88

Seq. No. 7041
 Gene No. 14841
 Start 74
 Name OJ990401_11.9922.C5.o1.gs
 Start 74
 GI none
 Exons 74..223, 327..727

Seq. ID OJ990401_11.9922.C5
 Strand +
 End 727
 Method GENSCAN
 End 727
 Score .83

Seq. No. 7041
 Gene No. 14842
 Start 928
 Name OJ990401_11.9922.C5.o2.gs
 Start 928
 GI none
 Exons 928..1143

Seq. ID OJ990401_11.9922.C5
 Strand +
 End 1143
 Method GENSCAN
 End 1143
 Score .75

Seq. No. 7042
 Gene No. 14843
 Start 1642
 Name OJ990401_11.9922.C7.o1.gs
 Start 1642
 GI none
 Exons 1642..1648, 2056..2144

Seq. ID OJ990401_11.9922.C7
 Strand +
 End 2144
 Method GENSCAN
 End 2144
 Score .88

Seq. No. 7042
 Gene No. 14844
 Start 2975

Seq. ID OJ990401_11.9922.C7
 Strand +
 End 3114

Name	OJ990401_11.9922.C7.o1.gp	Method	AAT/GAP
Start	2975	End	3114
GI	21474_1.R1084	Score	221
Exons	2975..3114		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7042	Seq. ID	OJ990401_11.9922.C7
Gene No.	14845	Strand	-
Start	3382	End	6369
Name	OJ990401_11.9922.C7.o2.gs	Method	GENSCAN
Start	3382	End	6320
GI	none	Score	.91
Exons	3382..3567, 3647..3745, 3840..3912, 3997..4107, 4204..4377, 4487..5580, 5655..6320		

Seq. No.	7042	Seq. ID	OJ990401_11.9922.C7
Gene No.	14845	Strand	-
Start	3382	End	6369
Name	OJ990401_11.9922.C7.o1.np	Method	AAT/NAP
Start	3400	End	6369
GI	4680204	Score	733
Exons	3400..3537, 3888..4107, 4204..4377, 4487..5580, 5655..6369		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7042	Seq. ID	OJ990401_11.9922.C7
Gene No.	14845	Strand	-
Start	3382	End	6369
Name	OJ990401_11.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	6003	End	6342
GI	none	Score	56
Exons	6003..6035, 6039..6173, 6072..6116, 6180..6341, 6193..6342		

Seq. No.	7043	Seq. ID	OJ990401_11.9922.C8
Gene No.	14846	Strand	-
Start	28	End	520
Name	OJ990401_11.9922.C8.o1.gs	Method	GENSCAN
Start	28	End	520
GI	none	Score	.62
Exons	28..298, 308..520		

Seq. No.	7044	Seq. ID	OJ990401_11.9922.C9
Gene No.	14847	Strand	-
Start	1	End	2435
Name	OJ990401_11.9922.C9.o1.gp	Method	AAT/GAP
Start	1	End	2435
GI	342_1.R1084	Score	3891
Exons	1..496, 606..710, 829..2435		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7044	Seq. ID	OJ990401_11.9922.C9
Gene No.	14847	Strand	-
Start	1	End	2435
Name	OJ990401_11.9922.C9.o5.gp	Method	AAT/GAP
Start	151	End	2435
GI	342_1.R1084	Score	3622

Exons 151..496, 606..710, 829..2435
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o4.gp Method AAT/GAP
 Start 153 End 2435
 GI 342_1.R1084 Score 3618
 Exons 153..496, 606..710, 829..2435
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o3.gp Method AAT/GAP
 Start 159 End 2435
 GI 342_1.R1084 Score 3606
 Exons 159..496, 606..710, 829..2435
 GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o1.gs Method GENSCAN
 Start 913 End 2355
 GI none Score .96
 Exons 913..2355

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o1.tw Method TBLASTX:Wheat
 Start 988 End 2305
 GI none Score 52
 Exons 988..1080, 989..1054, 1069..1149, 1154..1234, 1162..1302, 1163..1303, 1250..1345, 1282..1341, 1348..1392, 1353..1388, 1387..2304, 1402..1719, 1574..2305

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o1.np Method AAT/NAP
 Start 1472 End 2435
 GI 6742729 Score 1507
 Exons 1472..2435
 GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 7044 Seq. ID OJ990401_11.9922.C9
 Gene No. 14847 Strand -
 Start 1 End 2435
 Name OJ990401_11.9922.C9.o1.tc Method TBLASTX:Cress
 Start 1569 End 2021
 GI none Score 183

Exons 1569..1820, 1570..2007, 1573..2013, 1574..2017, 1580..2017, 1839..2021

Seq. No.	7044	Seq. ID	OJ990401_11.9922.C9
Gene No.	14847	Strand	-
Start	1	End	2435
Name	OJ990401_11.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	1948	End	2262
GI	none	Score	68
Exons	1948..2178, 1948..2262, 1976..2251		

Seq. No.	7045	Seq. ID	OJ990401_11.9922.C10
Gene No.	14848	Strand	-
Start	6	End	785
Name	OJ990401_11.9922.C10.o1.np	Method	AAT/NAP
Start	6	End	335
GI	5852182	Score	389
Exons	6..335		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7045	Seq. ID	OJ990401_11.9922.C10
Gene No.	14848	Strand	-
Start	6	End	785
Name	OJ990401_11.9922.C10.o1.gp	Method	AAT/GAP
Start	196	End	785
GI	2310235	Score	297
Exons	196..335, 748..785		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7046	Seq. ID	OJ990401_11.9922.C11
Gene No.	14849	Strand	-
Start	406	End	705
Name	OJ990401_11.9922.C11.o1.gs	Method	GENSCAN
Start	406	End	705
GI	none	Score	.67
Exons	406..570, 631..705		

Seq. No.	7046	Seq. ID	OJ990401_11.9922.C11
Gene No.	14850	Strand	-
Start	1789	End	2932
Name	OJ990401_11.9922.C11.o2.gs	Method	GENSCAN
Start	1789	End	2932
GI	none	Score	.62
Exons	1789..1883, 2293..2369, 2864..2932		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14851	Strand	+
Start	4529	End	5792
Name	OJ990401_11.9922.C12.o2.np	Method	AAT/NAP
Start	4529	End	5792
GI	100484	Score	801
Exons	4529..4693, 4736..5792		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14852	Strand	-

Start	2678	End	3345
Name	OJ990401_11.9922.C12.o1.np	Method	AAT/NAP
Start	2678	End	3345
GI	2583123	Score	49
Exons	2678..3013, 3198..3345		
GI Descrip.	(AC002387) putative nucleotide sugar epimerase [Arabidopsis thaliana]		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14852	Strand	-
Start	2678	End	3345
Name	OJ990401_11.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	2678	End	2939
GI	none	Score	91
Exons	2678..2752, 2679..2753, 2801..2938, 2802..2939		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14853	Strand	-
Start	4919	End	5612
Name	OJ990401_11.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	4919	End	5212
GI	none	Score	221
Exons	4919..5212, 5027..5212		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14853	Strand	-
Start	4919	End	5612
Name	OJ990401_11.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	4943	End	5470
GI	none	Score	161
Exons	4943..5212, 5222..5338, 5344..5466, 5354..5470		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14853	Strand	-
Start	4919	End	5612
Name	OJ990401_11.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	5147	End	5612
GI	none	Score	103
Exons	5147..5227, 5198..5236, 5219..5299, 5221..5286, 5286..5429, 5294..5476, 5302..5469, 5312..5476, 5410..5604, 5467..5610, 5490..5612		

Seq. No.	7047	Seq. ID	OJ990401_11.9922.C12
Gene No.	14853	Strand	-
Start	4919	End	5612
Name	OJ990401_11.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	5215	End	5565
GI	none	Score	106
Exons	5215..5322, 5219..5323, 5345..5488, 5401..5469, 5467..5565		

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	714
GI	5911167	Score	628
Exons	1..714		

GI Descrip. (AF136221) putative transposase protein [Zea mays]

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	136	End	625
GI	none	Score	741
Exons	136..624, 137..625, 137..625		

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o1.gs	Method	GENSCAN
Start	139	End	887
GI	none	Score	.6
Exons	139..887		

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	172	End	576
GI	none	Score	118
Exons	172..321, 244..312, 314..400, 334..576, 480..575		

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	235	End	693
GI	none	Score	307
Exons	235..693		

Seq. No.	7048	Seq. ID	OJ990401_11.9922.C13
Gene No.	14854	Strand	+
Start	1	End	887
Name	OJ990401_11.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	626	End	870
GI	none	Score	217
Exons	626..742, 627..863, 627..863, 628..870, 803..865		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.gp	Method	AAT/GAP
Start	1	End	993
GI	342_1.R1084	Score	1660
Exons	1..993		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	275

GI	none	Score	92
Exons	1..99, 3..98, 95..274, 96..275		
Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	993
GI	4680203	Score	1210
Exons	1..993		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	15	End	403
GI	none	Score	123
Exons	15..98, 95..298, 96..275, 314..403		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.gs	Method	GENSCAN
Start	80	End	958
GI	none	Score	1
Exons	80..958		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	95	End	410
GI	none	Score	74
Exons	95..403, 123..218, 258..410		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	143	End	571
GI	none	Score	125
Exons	143..439, 161..385, 434..496, 497..571		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	493	End	844
GI	none	Score	179
Exons	493..744, 503..754, 504..746, 737..844		

Seq. No.	7049	Seq. ID	OJ990401_11.9922.C14
Gene No.	14855	Strand	-
Start	1	End	993
Name	OJ990401_11.9922.C14.o2.np	Method	AAT/NAP
Start	866	End	993

GI	5852182	Score	122
Exons	866..993		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14856	Strand	+
Start	10055	End	13219
Name	OJ990401_11.9922.C18.o2.np	Method	AAT/NAP
Start	10055	End	12190
GI	6721512	Score	228
Exons	10055..10173, 10201..10334, 10377..10413, 10525..10593, 12126..12190		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14856	Strand	+
Start	10055	End	13219
Name	OJ990401_11.9922.C18.o3.np	Method	AAT/NAP
Start	11917	End	13219
GI	6630745	Score	157
Exons	11917..12006, 12968..13219		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14857	Strand	+
Start	24295	End	38860
Name	OJ990401_11.9922.C18.o7.np	Method	AAT/NAP
Start	24295	End	38860
GI	4680183	Score	202
Exons	24295..24337, 38152..38222, 38771..38860		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14858	Strand	-
Start	954	End	3416
Name	OJ990401_11.9922.C18.o1.gs	Method	GENSCAN
Start	954	End	3416
GI	none	Score	.52
Exons	954..1996, 2048..2158, 2576..3416		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14858	Strand	-
Start	954	End	3416
Name	OJ990401_11.9922.C18.o1.np	Method	AAT/NAP
Start	993	End	3416
GI	5803260	Score	982
Exons	993..2146, 2344..2438, 2536..3416		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		
Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14859	Strand	-
Start	14547	End	21363
Name	OJ990401_11.9922.C18.o4.gs	Method	GENSCAN
Start	14547	End	21363
GI	none	Score	.7
Exons	14547..14689, 14849..14909, 15882..16004, 16080..16146, 16325..16395, 16468..16579, 16938..17005, 17318..17349,		

17453..17499, 17630..17683, 18222..18319, 21358..21363

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14859	Strand	-
Start	14547	End	21363
Name	OJ990401_11.9922.C18.o4.np	Method	AAT/NAP
Start	14550	End	18274
GI	4582787	Score	1183
Exons	14550..14689, 14849..14909, 15882..16004, 16080..16146, 16325..16395, 16468..16565, 16697..16773, 16938..17005, 17112..17213, 17318..17349, 17453..17499, 17630..17683, 18222..18274		
GI Descrip.	(AJ012281) adenosine kinase [Zea mays]		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14859	Strand	-
Start	14547	End	21363
Name	OJ990401_11.9922.C18.o1.gp	Method	AAT/GAP
Start	15880	End	16139
GI	LIB3431-051-P1-K1-F7	Score	317
Exons	15880..16004, 16080..16139		
GI Descrip.	'4582787/emb CAB40376.1 5.0e-36 (AJ012281) adenosine kinase [Zea mays]'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14859	Strand	-
Start	14547	End	21363
Name	OJ990401_11.9922.C18.o2.gp	Method	AAT/GAP
Start	17139	End	18403
GI	LIB3477-005-P1-K1-A9	Score	684
Exons	17139..17213, 17318..17349, 17453..17499, 17630..17683, 18222..18403		
GI Descrip.	'4582787/emb CAB40376.1 2.0e-38 (AJ012281) adenosine kinase [Zea mays]'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-
Start	23231	End	32352
Name	OJ990401_11.9922.C18.o3.gp	Method	AAT/GAP
Start	22876	End	23780
GI	4467_9.R1084	Score	1678
Exons	22876..23780		
GI Descrip.	'1944573/emb CAA89006 9.0e-73 (Z49146) phenylalanine ammonia-lyase [Hordeum vulgare]'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-
Start	23231	End	32352
Name	OJ990401_11.9922.C18.o5.gs	Method	GENSCAN
Start	23231	End	32352
GI	none	Score	.77
Exons	23231..24977, 25651..26074, 28255..28304, 28910..28922, 29165..29231, 30230..30413, 30511..30597, 31031..31269, 32194..32352		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-

Start	23231	End	32352
Name	OJ990401_11.9922.C18.o5.np	Method	AAT/NAP
Start	23234	End	26015
GI	129591	Score	3023
Exons	23234..24977, 25651..26015		
GI Descrip.	PHENYLALANINE AMMONIA-LYASE gi 295824 emb CAA34226 (X16099) phenylalanine ammonia-lyase [Oryza sativa]		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-
Start	23231	End	32352
Name	OJ990401_11.9922.C18.o4.gp	Method	AAT/GAP
Start	24585	End	24959
GI	uC-osrocyp031f06b1	Score	715
Exons	24585..24959		
GI Descrip.	'129591/sp P14717 PAL1 ORYSA 3.0e-54 PHENYLALANINE AMMONIA-LYASE >gi 295824_emb CAA34226_ (X16099) phenylalanine ammonia-lyase [Oryza sativa]'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-
Start	23231	End	32352
Name	OJ990401_11.9922.C18.o5.gp	Method	AAT/GAP
Start	25651	End	26121
GI	4467_7.R1084	Score	829
Exons	25651..26121		
GI Descrip.	'82496/pir S06475 2.0e-31 phenylalanine ammonia-lyase (EC 4.3.1.5) - rice'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14860	Strand	-
Start	23231	End	32352
Name	OJ990401_11.9922.C18.o6.gp	Method	AAT/GAP
Start	28120	End	28536
GI	uC-osflm202115b11b1	Score	788
Exons	28120..28536		
GI Descrip.	'6063530/dbj AP000615.1 AP000615 8.0e-09 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14861	Strand	-
Start	36519	End	37376
Name	OJ990401_11.9922.C18.o6.np	Method	AAT/NAP
Start	36519	End	37376
GI	5042448	Score	1371
Exons	36519..37376		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	1107	End	2096
GI	none	Score	317
Exons	1107..1211, 1242..1997, 1258..1896, 1653..1994, 2013..2096		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o2.tc	Method	TBLASTX:Cress
Start	1239	End	3341
GI	none	Score	200
Exons	1239..1997, 1366..1662, 1695..1859, 1708..1896, 2025..2150, 2309..2401, 2562..2675, 2772..2897, 2898..2939, 2961..3050, 3270..3341		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	1293	End	2081
GI	none	Score	233
Exons	1293..1841, 1357..1839, 1869..1997, 1872..1973, 2019..2081		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o5.tw	Method	TBLASTX:Wheat
Start	1353	End	1619
GI	none	Score	111
Exons	1353..1481, 1357..1482, 1503..1619, 1504..1617		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	1620	End	1982
GI	none	Score	76
Exons	1620..1982, 1717..1896, 1905..1973		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o3.tc	Method	TBLASTX:Cress
Start	14544	End	18313
GI	none	Score	139
Exons	14544..14681, 14545..14682, 14838..14912, 14839..14910, 15876..15950, 15877..16005, 15879..16004, 16080..16145, 16081..16146, 16316..16396, 16322..16396, 16324..16404, 16324..16398, 16465..16569, 16466..16567, 16689..16775, 16705..16776, 16937..17002, 16938..17003, 17103..17216, 17116..17214, 17318..17359, 17451..17504, 17451..17498, 17624..17686, 17629..17691, 18215..18313, 18216..18287		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	14544	End	18316
GI	none	Score	132
Exons	14544..14693, 14547..14693, 14548..14694, 14838..14912, 14848..14910, 15837..16004, 15850..16005, 15875..16012, 15877..16017, 16080..16145, 16080..16145, 16081..16146,		

16203..16253, 16316..16396, 16322..16396, 16324..16419,
 16324..16398, 16465..16566, 16465..16569, 16466..16570,
 16466..16594, 16689..16775, 16699..16776, 16700..16789,
 16935..17000, 16937..17002, 16937..17005, 17103..17216,
 17110..17214, 17318..17359, 17322..17360, 17446..17502,
 17451..17498, 17624..17689, 17629..17691, 18215..18316,
 18216..18290

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o3.ts	Method	TBLASTX:Soybean
Start	14547	End	18295
GI	none	Score	111
Exons	14547..14693, 14550..14693, 14554..14694, 14576..14704, 14838..14912, 14848..14910, 15873..15974, 15873..16004, 15874..16005, 16080..16145, 16080..16145, 16081..16146, 16316..16390, 16324..16392, 16345..16404, 16468..16593, 16469..16567, 16470..16568, 16689..16775, 16699..16776, 16937..17008, 16938..17000, 17103..17216, 17104..17214, 17117..17215, 17318..17359, 17319..17351, 17446..17502, 17451..17498, 17624..17683, 17629..17691, 18218..18295, 18219..18290		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	16510	End	18316
GI	none	Score	85
Exons	16510..16569, 16511..16570, 16514..16594, 16515..16583, 16689..16775, 16699..16776, 16700..16789, 16935..17000, 16937..17005, 16938..17000, 17103..17216, 17110..17214, 17318..17359, 17322..17351, 17446..17502, 17451..17498, 17615..17686, 17629..17691, 17697..17783, 18215..18316, 18216..18290		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	23198	End	24914
GI	none	Score	1774
Exons	23198..24913, 23232..24914		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	23231	End	25992
GI	none	Score	867
Exons	23231..24937, 23238..24329, 24390..24911, 24950..24979, 25647..25826, 25651..25743, 25842..25991, 25861..25992		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668

Name	OJ990401_11.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	23231	End	25992
GI	none	Score	172
Exons	23231..24934, 23238..23468, 23556..24329, 24399..24911, 24933..24980, 24935..24979, 25647..25823, 25651..25752, 25839..25991, 25870..25992		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	23237	End	25995
GI	none	Score	304
Exons	23237..23542, 23238..23594, 23552..24979, 23553..24980, 25647..25994, 25651..25995		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	25669	End	39714
GI	none	Score	317
Exons	25669..25995, 25671..25994, 39592..39714		

Seq. No.	7050	Seq. ID	OJ990401_11.9922.C18
Gene No.	14862	Strand	-
Start	39554	End	40668
Name	OJ990401_11.9922.C18.o8.np	Method	AAT/NAP
Start	39554	End	40668
GI	5305335	Score	195
Exons	39554..40668		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14863	Strand	+
Start	67	End	388
Name	OJ990401_11.9922.C19.o1.gs	Method	GENSCAN
Start	67	End	388
GI	none	Score	.4
Exons	67..188, 376..388		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14864	Strand	+
Start	7957	End	10713
Name	OJ990401_11.9922.C19.o3.gs	Method	GENSCAN
Start	7957	End	10713
GI	none	Score	.4
Exons	7957..8006, 9777..9825, 10504..10713		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14865	Strand	+
Start	23649	End	37850
Name	OJ990401_11.9922.C19.o3.np	Method	AAT/NAP
Start	23649	End	37850
GI	6694371	Score	30
Exons	23649..23732, 24963..25018, 37703..37850		

GI Descrip. (AF200187) EBNA2-like protein [cercopithicine herpesvirus 15]

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14865	Strand	+
Start	23649	End	37850
Name	OJ990401_11.9922.C19.o4.np	Method	AAT/NAP
Start	33540	End	37180
GI	6729496	Score	684
Exons	33540..33662, 34627..34724, 34917..34947, 35727..35826, 36617..36687, 36828..36971, 37103..37180		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14865	Strand	+
Start	23649	End	37850
Name	OJ990401_11.9922.C19.o8.gs	Method	GENSCAN
Start	33555	End	37246
GI	none	Score	.83
Exons	33555..33662, 34627..34724, 34917..34947, 35727..35826, 36617..36687, 36828..36971, 37103..37246		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14866	Strand	-
Start	1338	End	4182
Name	OJ990401_11.9922.C19.o2.gs	Method	GENSCAN
Start	1338	End	4182
GI	none	Score	.92
Exons	1338..3084, 3176..3709, 4061..4182		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14866	Strand	-
Start	1338	End	4182
Name	OJ990401_11.9922.C19.o1.np	Method	AAT/NAP
Start	1341	End	3530
GI	3024363	Score	3248
Exons	1341..3084, 3176..3530		

GI Descrip. PHENYLALANINE AMMONIA-LYASE gi|1483610|emb|CAA68036| (X99705)
phenylalanine ammonia-lyase [Triticum aestivum]

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14867	Strand	-
Start	11525	End	16688
Name	OJ990401_11.9922.C19.o4.gs	Method	GENSCAN
Start	11525	End	15083
GI	none	Score	.51
Exons	11525..11944, 12020..12170, 12436..12547, 14330..14390, 14712..15083		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14867	Strand	-
Start	11525	End	16688
Name	OJ990401_11.9922.C19.o2.np	Method	AAT/NAP
Start	13972	End	16688
GI	5257270	Score	145
Exons	13972..13999, 15207..15542, 16652..16688		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14868	Strand	-
Start	17614	End	18333
Name	OJ990401_11.9922.C19.o5.gs	Method	GENSCAN
Start	17614	End	18333
GI	none	Score	.64
Exons	17614..17858, 17888..18042, 18248..18333		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	1333	End	3021
GI	none	Score	2256
Exons	1333..3021, 1338..3020		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	1336	End	3502
GI	none	Score	930
Exons	1336..2436, 1338..3038, 2256..2546, 2500..3036, 3042..3086, 3175..3336, 3179..3310, 3379..3501, 3380..3502		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	1338	End	3505
GI	none	Score	912
Exons	1338..3053, 1345..2436, 2229..2528, 2497..3045, 3057..3086, 3058..3087, 3175..3336, 3179..3310, 3364..3501, 3379..3501, 3380..3505		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	1344	End	3674
GI	none	Score	281
Exons	1344..1682, 1344..1655, 1662..3086, 1663..3090, 3175..3336, 3182..3322, 3352..3501, 3386..3517, 3386..3502, 3627..3674		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o2.tw	Method	TBLASTX:Wheat
Start	3196	End	3689
GI	none	Score	121
Exons	3196..3336, 3197..3322, 3352..3501, 3379..3501, 3386..3517, 3618..3689		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14869	Strand	-
Start	21442	End	27488
Name	OJ990401_11.9922.C19.o6.gs	Method	GENSCAN

Start	21442	End	27488
GI	none	Score	.67
Exons	21442..21535, 21732..21891, 23167..23357, 23859..24009, 27413..27488		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14870	Strand	
Start	35439	End	36704
Name	OJ990401_11.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	35439	End	36704
GI	none	Score	79
Exons	35439..35507, 35443..35508, 35694..35828, 35702..35827, 35771..35833, 36615..36704, 36616..36690		

Seq. No.	7051	Seq. ID	OJ990401_11.9922.C19
Gene No.	14871	Strand	
Start	36828	End	37186
Name	OJ990401_11.9922.C19.o2.ts	Method	TBLASTX:Soybean
Start	36828	End	37186
GI	none	Score	202
Exons	36828..36971, 36828..36977, 36836..36979, 37097..37186		

Seq. No.	7052	Seq. ID	OJ990401_11.9922.C20
Gene No.	14872	Strand	-
Start	487	End	5733
Name	OJ990401_11.9922.C20.o1.gs	Method	GENSCAN
Start	487	End	5733
GI	none	Score	.74
Exons	487..585, 671..991, 1380..1633, 1697..2140, 2336..2591, 2684..2774, 2799..2945, 3050..5733		

Seq. No.	7052	Seq. ID	OJ990401_11.9922.C20
Gene No.	14872	Strand	-
Start	487	End	5733
Name	OJ990401_11.9922.C20.o1.np	Method	AAT/NAP
Start	1683	End	5622
GI	5441880	Score	2041
Exons	1683..2110, 2400..2445, 2684..2945, 3050..3876, 4135..4166, 4611..5622		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	7052	Seq. ID	OJ990401_11.9922.C20
Gene No.	14872	Strand	-
Start	487	End	5733
Name	OJ990401_11.9922.C20.o1.gp	Method	AAT/GAP
Start	2004	End	2436
GI	LIB3433-020-P1-K1-A6	Score	706
Exons	2004..2436		

GI Descrip. '5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'

Seq. No.	7052	Seq. ID	OJ990401_11.9922.C20
Gene No.	14872	Strand	-
Start	487	End	5733
Name	OJ990401_11.9922.C20.o1.tw	Method	TBLASTX:Wheat

Start	4384	End	4761
GI	none	Score	66
Exons	4384..4557, 4395..4535, 4490..4558, 4582..4758, 4612..4761		

Seq. No.	7052	Seq. ID	OJ990401_11.9922.C20
Gene No.	14872	Strand	-
Start	487	End	5733
Name	OJ990401_11.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	4459	End	5055
GI	none	Score	166
Exons	4459..4530, 4577..4876, 4588..5055		

Seq. No.	7053	Seq. ID	OJ990401_11.9922.C22
Gene No.	14873	Strand	-
Start	1	End	1127
Name	OJ990401_11.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	1127
GI	6907086	Score	1125
Exons	1..325, 384..1127		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7053	Seq. ID	OJ990401_11.9922.C22
Gene No.	14873	Strand	-
Start	1	End	1127
Name	OJ990401_11.9922.C22.o1.gs	Method	GENSCAN
Start	132	End	934
GI	none	Score	.58
Exons	132..246, 421..934		

Seq. No.	7053	Seq. ID	OJ990401_11.9922.C22
Gene No.	14874	Strand	-
Start	1841	End	2480
Name	OJ990401_11.9922.C22.o2.np	Method	AAT/NAP
Start	1841	End	2480
GI	4680186	Score	169
Exons	1841..2238, 2410..2480		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14875	Strand	+
Start	284	End	357
Name	OJ990401_11.9922.C23.o1.gs	Method	GENSCAN
Start	284	End	357
GI	none	Score	.98
Exons	284..357		

Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14876	Strand	-
Start	148	End	622
Name	OJ990401_11.9922.C23.o1.gp	Method	AAT/GAP
Start	148	End	622
GI	38782_1.R1084	Score	825
Exons	148..622		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
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Gene No.	14877	Strand	-
Start	797	End	4148
Name	OJ990401_11.9922.C23.o2.gs	Method	GENSCAN
Start	797	End	4148
GI	none	Score	.87
Exons	797..960, 2028..2367, 2999..3091, 3177..3389, 3511..3764, 3919..4011, 4064..4148		
Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14878	Strand	-
Start	4271	End	7378
Name	OJ990401_11.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	1997	End	3357
GI	none	Score	82
Exons	1997..2023, 2023..2163, 2023..2163, 2149..2367, 2157..2303, 2164..2367, 2322..2375, 2484..2552, 2485..2556, 2486..2557, 2999..3085, 3000..3092, 3177..3356, 3177..3356, 3178..3357		
Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14878	Strand	-
Start	4271	End	7378
Name	OJ990401_11.9922.C23.o3.tm	Method	TBLASTX:Maize
Start	3550	End	3767
GI	none	Score	160
Exons	3550..3723, 3550..3756, 3563..3751, 3690..3767		
Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14878	Strand	-
Start	4271	End	7378
Name	OJ990401_11.9922.C23.o3.gs	Method	GENSCAN
Start	4271	End	7366
GI	none	Score	.52
Exons	4271..4582, 6611..7366		
Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14878	Strand	-
Start	4271	End	7378
Name	OJ990401_11.9922.C23.o1.np	Method	AAT/NAP
Start	6904	End	7334
GI	4699938	Score	49
Exons	6904..7334		
GI Descrip.	(AC007166) En/Spm-like transposon protein [Arabidopsis thaliana]		
Seq. No.	7054	Seq. ID	OJ990401_11.9922.C23
Gene No.	14878	Strand	-
Start	4271	End	7378
Name	OJ990401_11.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	7078	End	7378
GI	none	Score	50
Exons	7078..7152, 7078..7152, 7079..7153, 7131..7340, 7133..7336, 7148..7357, 7149..7358, 7322..7378		
Seq. No.	7055	Seq. ID	OJ990401_11.9922.C24
Gene No.	14879	Strand	-
Start	1003	End	1154
Name	OJ990401_11.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	301	End	746

GI	none	Score	50
Exons	301..375, 302..376, 354..563, 356..559, 371..580, 372..581, 545..601, 659..745, 669..746		

Seq. No.	7055	Seq. ID	OJ990401_11.9922.C24
Gene No.	14879	Strand	-
Start	1003	End	1154
Name	OJ990401_11.9922.C24.ol.tm	Method	TBLASTX:Maize
Start	847	End	1107
GI	none	Score	60
Exons	847..1107, 852..914, 854..1105, 975..1106		

Seq. No.	7055	Seq. ID	OJ990401_11.9922.C24
Gene No.	14879	Strand	-
Start	1003	End	1154
Name	OJ990401_11.9922.C24.ol.np	Method	AAT/NAP
Start	1003	End	1154
GI	5911167	Score	181
Exons	1003..1154		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	7056	Seq. ID	OJ990401_11.9922.C26
Gene No.	14880	Strand	-
Start	302	End	470
Name	OJ990401_11.9922.C26.ol.gs	Method	GENSCAN
Start	302	End	470
GI	none	Score	.81
Exons	302..470		

Seq. No.	7057	Seq. ID	OJ990701_11.9922.C2
Gene No.	14881	Strand	+
Start	215	End	377
Name	OJ990701_11.9922.C2.ol.gs	Method	GENSCAN
Start	215	End	377
GI	none	Score	.51
Exons	215..377		

Seq. No.	7057	Seq. ID	OJ990701_11.9922.C2
Gene No.	14882	Strand	-
Start	1	End	307
Name	OJ990701_11.9922.C2.ol.gp	Method	AAT/GAP
Start	1	End	293
GI	7406_1.R1084	Score	449
Exons	1..293		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	7057	Seq. ID	OJ990701_11.9922.C2
Gene No.	14882	Strand	-
Start	1	End	307
Name	OJ990701_11.9922.C2.ol.np	Method	AAT/NAP
Start	1	End	307
GI	6721543	Score	99
Exons	1..23, 172..307		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
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Gene No.	14883	Strand	+
Start	3	End	4565
Name	OJ990701_11.9922.C3.o1.np	Method	AAT/NAP
Start	3	End	968
GI	6721543	Score	91
Exons	3..75, 782..968		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14883	Strand	+
Start	3	End	4565
Name	OJ990701_11.9922.C3.o1.gs	Method	GENSCAN
Start	714	End	4287
GI	none	Score	.71
Exons	714..1856, 2016..3156, 3303..3408, 3527..3658, 3722..3769, 3774..3991, 4127..4287		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14883	Strand	+
Start	3	End	4565
Name	OJ990701_11.9922.C3.o2.np	Method	AAT/NAP
Start	981	End	3038
GI	5441880	Score	2262
Exons	981..1986, 2431..2462, 2721..3038		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14883	Strand	+
Start	3	End	4565
Name	OJ990701_11.9922.C3.o1.gp	Method	AAT/GAP
Start	1585	End	2016
GI	5701669	Score	809
Exons	1585..2016		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14883	Strand	+
Start	3	End	4565
Name	OJ990701_11.9922.C3.o2.gp	Method	AAT/GAP
Start	4112	End	4565
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	4112..4565		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14884	Strand	+
Start	5407	End	8411
Name	OJ990701_11.9922.C3.o4.gp	Method	AAT/GAP
Start	5407	End	8411
GI	3768383	Score	686
Exons	5407..5618, 8248..8411		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14885	Strand	+
Start	8333	End	8956
Name	OJ990701_11.9922.C3.o3.gs	Method	GENSCAN
Start	8333	End	8956
GI	none	Score	.99
Exons	8333..8956		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14886	Strand	+
Start	10712	End	13731
Name	OJ990701_11.9922.C3.o4.gs	Method	GENSCAN
Start	10712	End	12711
GI	none	Score	.87
Exons	10712..10807, 10812..11255, 12414..12601, 12681..12711		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14886	Strand	+
Start	10712	End	13731
Name	OJ990701_11.9922.C3.o5.gp	Method	AAT/GAP
Start	11013	End	13731
GI	none	Score	820
Exons	11013..11255, 13553..13731		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14887	Strand	+
Start	13657	End	17634
Name	OJ990701_11.9922.C3.o5.gs	Method	GENSCAN
Start	13657	End	17634
GI	none	Score	.92
Exons	13657..14620, 14725..14778, 14942..15031, 15105..15188, 15633..15680, 16622..16671, 17548..17634		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14887	Strand	+
Start	13657	End	17634
Name	OJ990701_11.9922.C3.o6.gp	Method	AAT/GAP
Start	14060	End	14623
GI	9093_1.R1084	Score	1079
Exons	14060..14623		
GI Descrip.	'4388818/gb AAD19773 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14887	Strand	+
Start	13657	End	17634
Name	OJ990701_11.9922.C3.o7.gp	Method	AAT/GAP
Start	15106	End	16206
GI	none	Score	1041
Exons	15106..15188, 15633..15680, 15777..16206		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14888	Strand	-
Start	3712	End	4928
Name	OJ990701_11.9922.C3.o3.np	Method	AAT/NAP

Start	3712	End	4928
GI	6721543	Score	101
Exons	3712..3752, 4071..4146, 4800..4928		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14888	Strand	-
Start	3712	End	4928
Name	OJ990701_11.9922.C3.o3.gp	Method	AAT/GAP
Start	4508	End	4914
GI	7406_1.R1084	Score	661
Exons	4508..4914		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14889	Strand	-
Start	6365	End	6904
Name	OJ990701_11.9922.C3.o2.gs	Method	GENSCAN
Start	6365	End	6904
GI	none	Score	.81
Exons	6365..6442, 6866..6904		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14890	Strand	-
Start	18994	End	22187
Name	OJ990701_11.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	1542	End	2138
GI	none	Score	90
Exons	1542..1670, 1550..1648, 1704..2003, 1721..1942, 2067..2138		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14890	Strand	-
Start	18994	End	22187
Name	OJ990701_11.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1836	End	2216
GI	none	Score	183
Exons	1836..2030, 1845..2042, 2036..2155, 2040..2216, 2040..2186		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14890	Strand	-
Start	18994	End	22187
Name	OJ990701_11.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	18570	End	20981
GI	none	Score	73
Exons	18570..18647, 18570..18647, 18571..18666, 18640..18717, 18663..18728, 18674..18727, 18808..18942, 18808..18927, 18838..18885, 18945..19151, 18974..19159, 18980..19162, 19258..19353, 19260..19355, 19263..19358, 20039..20152, 20051..20152, 20085..20156, 20732..20818, 20737..20793, 20798..20974, 20808..20981		

Seq. No.	7058	Seq. ID	OJ990701_11.9922.C3
Gene No.	14890	Strand	-
Start	18994	End	22187
Name	OJ990701_11.9922.C3.o6.gs	Method	GENSCAN
Start	18994	End	22187

GI none Score .87
 Exons 18994..19148, 19262..19352, 19833..19883, 20054..20155,
 20735..20980, 21363..21550, 21681..21706, 21860..21969,
 22066..22187

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14891 Strand +
 Start 11070 End 11598
 Name OJ990701_11.9922.C4.o5.gp Method AAT/GAP
 Start 11070 End 11598
 GI uC-osflcyp115h04a1 Score 1054
 Exons 11070..11598
 GI Descrip. '4680338/gb|AAD27629.1|AF128457_3 2.0e-22 (AF128457)
 hypothetical protein [Oryza sativa subsp. indica]'

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14892 Strand +
 Start 12534 End 12759
 Name OJ990701_11.9922.C4.o3.np Method AAT/NAP
 Start 12534 End 12759
 GI 1934994 Score 50
 Exons 12534..12759
 GI Descrip. (Y12424) SGRP-1 [Solanum commersonii]

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14893 Strand -
 Start 7 End 4952
 Name OJ990701_11.9922.C4.o1.gs Method GENSCAN
 Start 7 End 4868
 GI none Score .9
 Exons 7..220, 1395..1586, 2095..2144, 3572..4031, 4557..4868

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14893 Strand -
 Start 7 End 4952
 Name OJ990701_11.9922.C4.o1.gp Method AAT/GAP
 Start 960 End 1155
 GI 4714370 Score 365
 Exons 960..1155

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14893 Strand -
 Start 7 End 4952
 Name OJ990701_11.9922.C4.o1.np Method AAT/NAP
 Start 1362 End 4904
 GI 4835793 Score 957
 Exons 1362..1559, 1680..1776, 1882..2012, 2095..2144, 3566..4031,
 4557..4659, 4747..4904
 GI Descrip. (AC007296) Similar to gb|U90212 DNA binding protein ACBF from
 Nicotiana tabacum and contains 3 PF|00076 RNA recognition motif
 domains. ESTs gb|T44278, gb|R65195, gb|N65904, gb|H37499,
 gb|R90487, gb|N95952, gb|T4427...

Seq. No. 7059 Seq. ID OJ990701_11.9922.C4
 Gene No. 14893 Strand -
 Start 7 End 4952
 Name OJ990701_11.9922.C4.o3.gp Method AAT/GAP

Start	1849	End	2146
GI	30207_1.R1084	Score	290
Exons	1849..2012, 2095..2146		
GI Descrip.	'4835793/gb AAD30259.1 AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14893	Strand	-
Start	7	End	4952
Name	OJ990701_11.9922.C4.o2.gp	Method	AAT/GAP
Start	1882	End	2146
GI	30207_1.R1084	Score	296
Exons	1882..2012, 2095..2146		
GI Descrip.	'4835793/gb AAD30259.1 AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14893	Strand	-
Start	7	End	4952
Name	OJ990701_11.9922.C4.o4.gp	Method	AAT/GAP
Start	4701	End	4952
GI	4879754	Score	448
Exons	4701..4952		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14894	Strand	-
Start	5679	End	6800
Name	OJ990701_11.9922.C4.o2.gs	Method	GENSCAN
Start	5679	End	6800
GI	none	Score	.93
Exons	5679..6800		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14895	Strand	-
Start	10552	End	12771
Name	OJ990701_11.9922.C4.o2.np	Method	AAT/NAP
Start	10552	End	12409
GI	6862923	Score	665
Exons	10552..10633, 11316..12409		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14895	Strand	-
Start	10552	End	12771
Name	OJ990701_11.9922.C4.o6.gp	Method	AAT/GAP
Start	12250	End	12771
GI	none	Score	965
Exons	12250..12771		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14896	Strand	-

Start	12784	End	14715..	
Name	OJ990701_11.9922.C4.o4.np		Method	AAT/NAP
Start	12784	End	14703	
GI	6862923	Score	553	
Exons	12784..12868, 13592..14703			
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]			

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14896	Strand	-
Start	12784	End	14715
Name	OJ990701_11.9922.C4.o4.gs	Method	GENSCAN
Start	13588	End	14715
GI	none	Score	.84
Exons	13588..14715		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	1415	End	4644
GI	none	Score	77
Exons	1415..1507, 1432..1488, 1433..1501, 1502..1591, 1502..1588, 1674..1775, 1674..1784, 1678..1791, 1681..1779, 1694..1801, 1871..2011, 1881..2012, 1882..2013, 2092..2145, 2092..2145, 2096..2146, 2097..2147, 3585..4034, 3586..4032, 3588..4034, 3918..4040, 4538..4615, 4551..4643, 4555..4644		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	1662	End	4644
GI	none	Score	89
Exons	1662..1778, 1663..1779, 1674..1778, 1681..1782, 1881..2009, 1881..2012, 1897..2013, 2092..2154, 3588..3875, 3598..3855, 3615..3713, 3639..3770, 3777..3863, 3866..4006, 3870..4058, 3871..4032, 3918..4040, 4554..4643, 4555..4644		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	1680	End	4644
GI	none	Score	89
Exons	1680..1769, 1681..1773, 1890..2012, 1894..2007, 2092..2139, 3594..3872, 3594..3872, 3595..3873, 3624..3770, 3870..3899, 3903..4034, 3907..4026, 3918..4040, 4554..4643, 4558..4644		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	3642	End	4040
GI	none	Score	159
Exons	3642..3842, 3646..3834, 3918..4040		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
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Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	5751	End	14662
GI	none	Score	80
Exons	5751..5993, 6013..6219, 6027..6284, 6618..6773, 6619..6732, 11327..11599, 11328..11510, 11574..11597, 11630..11848, 11631..11825, 11924..12049, 12093..12146, 12182..12307, 12189..12341, 12332..12388, 13600..13872, 13604..13870, 13897..14019, 13937..14020, 14003..14086, 14023..14190, 14347..14661, 14375..14662		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	5781	End	14250
GI	none	Score	99
Exons	5781..5993, 6013..6240, 6027..6284, 11333..11599, 11336..11578, 11337..11597, 11628..11837, 11630..11857, 11630..11929, 11924..12025, 13598..13870, 13606..13872, 13897..14019, 14023..14190, 14209..14250		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	5781	End	13993
GI	none	Score	90
Exons	5781..5993, 5794..5919, 6027..6104, 11333..11602, 11336..11530, 11367..11603, 11630..11704, 11634..11699, 13592..13876, 13603..13875, 13897..13989, 13928..13993		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	5832	End	13989
GI	none	Score	51
Exons	5832..5996, 6033..6098, 11333..11419, 11432..11593, 11630..11704, 13606..13692, 13607..13693, 13711..13866, 13718..13858, 13912..13989		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	6477	End	14703
GI	none	Score	65
Exons	6477..6611, 6612..6767, 6618..6785, 6619..6786, 12188..12367, 12189..12368, 14371..14703, 14372..14641		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	6510	End	14650

GI	none	Score	79
Exons	6510..6611, 6618..6776, 12188..12307, 14347..14640, 14363..14650		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o7.gp	Method	AAT/GAP
Start	15593	End	16162
GI	uC-osroM202020b06a1	Score	615
Exons	15593..15975, 16122..16162		
GI Descrip.	'4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o8.gp	Method	AAT/GAP
Start	15593	End	16166
GI	uC-osroM202020b06a1	Score	613
Exons	15593..15975, 16122..16166		
GI Descrip.	'4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	7059	Seq. ID	OJ990701_11.9922.C4
Gene No.	14897	Strand	-
Start	15767	End	19797
Name	OJ990701_11.9922.C4.o5.gs	Method	GENSCAN
Start	15767	End	19797
GI	none	Score	.72
Exons	15767..15824, 15905..15940, 16766..16841, 19737..19797		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14898	Strand	+
Start	3212	End	14975
Name	OJ990701_11.9922.C5.o2.np	Method	AAT/NAP
Start	3212	End	14975
GI	4455224	Score	2622
Exons	3212..3745, 3777..4469, 4546..4742, 4860..5247, 5486..5970, 6741..6894, 6981..8791, 8821..10346, 10538..10693, 11433..11636, 11725..11928, 12344..12488, 13451..13803, 14061..14486, 14599..14672, 14777..14975		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14898	Strand	+
Start	3212	End	14975
Name	OJ990701_11.9922.C5.o1.gp	Method	AAT/GAP
Start	12392	End	14106
GI	uC-osflM202016g08b1	Score	968
Exons	12392..12502, 13453..13803, 14061..14106		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14899	Strand	+
Start	20745	End	21026

Name OJ990701_11.9922.C5.o4.gs
 Start 20745
 GI none
 Exons 20745..21026

Method GENSCAN
 End 21026
 Score .76

Seq. No. 7060
 Gene No. 14900
 Start 31013
 Name OJ990701_11.9922.C5.o6.gs
 Start 31013
 GI none
 Exons 31013..31390, 32840..32965, 33045..33980

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 33980
 Method GENSCAN
 End 33980
 Score .94

Seq. No. 7060
 Gene No. 14900
 Start 31013
 Name OJ990701_11.9922.C5.o4.np
 Start 31430
 GI 6006900
 Exons 31430..31511, 33201..33763
 GI Descrip. (AC008153) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 33980
 Method AAT/NAP
 End 33763
 Score 366

Seq. No. 7060
 Gene No. 14901
 Start 34116
 Name OJ990701_11.9922.C5.o7.gs
 Start 34116
 GI none
 Exons 34116..34385, 34424..34594, 35129..35271, 36652..36819, 36839..36971, 37009..37190, 38347..38422, 38590..38673, 38757..39620

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 39620
 Method GENSCAN
 End 39620
 Score .53

Seq. No. 7060
 Gene No. 14901
 Start 34116
 Name OJ990701_11.9922.C5.o6.np
 Start 38130
 GI 2245131
 Exons 38130..38236, 38321..38422, 38590..38688, 38760..39423
 GI Descrip. (Z97344) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 39620
 Method AAT/NAP
 End 39423
 Score 640

Seq. No. 7060
 Gene No. 14902
 Start 40646
 Name OJ990701_11.9922.C5.o8.gs
 Start 40646
 GI none
 Exons 40646..41059

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 41059
 Method GENSCAN
 End 41059
 Score .99

Seq. No. 7060
 Gene No. 14903
 Start 44121
 Name OJ990701_11.9922.C5.o9.gs
 Start 44121
 GI none
 Exons 44121..44249, 44324..44462, 45161..45224, 45376..46847, 47150..47364, 47536..47806, 48376..48551, 49151..49260,

Seq. ID OJ990701_11.9922.C5
 Strand +
 End 52623
 Method GENSCAN
 End 52623
 Score .66

49644..49746, 50154..50270, 50409..50537, 50777..50959,
51066..51197, 51291..51402, 51490..51613, 51935..52027,
52518..52623

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14903	Strand	+
Start	44121	End	52623
Name	OJ990701_11.9922.C5.o4.gp	Method	AAT/GAP
Start	45179	End	45557
GI	1631927	Score	542
Exons	45179..45224, 45315..45557		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14903	Strand	+
Start	44121	End	52623
Name	OJ990701_11.9922.C5.o7.np	Method	AAT/NAP
Start	46055	End	51822
GI	3057120	Score	3451
Exons	46055..46847, 47150..47364, 47536..47806, 48376..48551, 48623..48730, 49151..49260, 49644..49746, 50100..50270, 50409..50537, 50777..50959, 51066..51197, 51291..51402, 51490..51613, 51693..51822		

GI Descrip. (AF023159) starch synthase DULL1 [Zea mays]

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14903	Strand	+
Start	44121	End	52623
Name	OJ990701_11.9922.C5.o5.gp	Method	AAT/GAP
Start	46496	End	47341
GI	3762097	Score	1036
Exons	46496..46847, 47150..47341		

GI Descrip. 3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14904	Strand	-
Start	741	End	2089
Name	OJ990701_11.9922.C5.o1.np	Method	AAT/NAP
Start	641	End	2089
GI	6862923	Score	431
Exons	641..1548, 1767..2089		

GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14904	Strand	-
Start	741	End	2089
Name	OJ990701_11.9922.C5.o1.gs	Method	GENSCAN
Start	741	End	2078
GI	none	Score	.88
Exons	741..1466, 1788..2078		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14905	Strand	-
Start	16042	End	17321
Name	OJ990701_11.9922.C5.o3.gs	Method	GENSCAN
Start	16042	End	17321
GI	none	Score	.95
Exons	16042..16308, 16403..16495, 16612..16710, 16815..16964,		

17052..17321

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14905	Strand	-
Start	16042	End	17321
Name	OJ990701_11.9922.C5.o3.np	Method	AAT/NAP
Start	16057	End	17299
GI	2147965	Score	772
Exons	16057..16308, 16403..16495, 16612..16710, 16815..16964, 17052..17299		
GI Descrip.	probable 1-acyl-sn-glycerol-3-phosphate acyltransferase - <i>Limnanthes douglasii</i> gi 1067140 emb CAA86877 (Z46836) ORF [Limnanthes douglasii]		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14906	Strand	-
Start	21832	End	29957
Name	OJ990701_11.9922.C5.o5.gs	Method	GENSCAN
Start	21832	End	29957
GI	none	Score	.73
Exons	21832..22016, 22258..22378, 23228..23302, 23761..23911, 24015..24705, 25625..26585, 28178..28255, 29277..29423, 29910..29957		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14907	Strand	-
Start	34480	End	34942
Name	OJ990701_11.9922.C5.o2.gp	Method	AAT/GAP
Start	34480	End	34942
GI	none	Score	914
Exons	34480..34942		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14908	Strand	-
Start	36580	End	36996
Name	OJ990701_11.9922.C5.o5.np	Method	AAT/NAP
Start	36580	End	36996
GI	6227007	Score	180
Exons	36580..36996		
GI Descrip.	(AC009360) EST gb T44882 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14909	Strand	-
Start	39361	End	39879
Name	OJ990701_11.9922.C5.o3.gp	Method	AAT/GAP
Start	39361	End	39879
GI	uC-osflcyp083g04a1	Score	1002
Exons	39361..39879		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	726	End	1346
GI	none	Score	76

Exons 726..1022, 1050..1346, 1150..1245

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	747	End	2019
GI	none	Score	96
Exons	747..1022, 748..957, 999..1154, 1050..1346, 1150..1314, 1851..2009, 1852..2019		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	753	End	1115
GI	none	Score	83
Exons	753..836, 849..1013, 1047..1115		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o5.tc	Method	TBLASTX:Cress
Start	753	End	1115
GI	none	Score	116
Exons	753..1022, 784..963, 1050..1115		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	8152	End	34770
GI	none	Score	68
Exons	8152..8223, 33897..34163, 33898..34164, 33902..34165, 33926..34168, 34159..34446, 34178..34447, 34179..34448, 34439..34555, 34440..34583, 34457..34588, 34462..34653, 34462..34629, 34634..34699, 34649..34693, 34651..34728, 34651..34698, 34682..34747, 34695..34751, 34695..34769, 34696..34770		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	11867	End	14997
GI	none	Score	104
Exons	11867..11929, 12292..12453, 12339..12476, 12342..12473, 13444..13803, 13444..13803, 13452..13805, 14059..14277, 14078..14113, 14082..14117, 14091..14294, 14114..14260, 14115..14264, 14292..14318, 14320..14475, 14321..14470, 14322..14474, 14533..14676, 14545..14685, 14776..14997, 14778..14975		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o3.tw	Method	TBLASTX:Wheat

Start	13564	End	14294
GI	none	Score	313
Exons	13564..13803, 13564..13803, 13566..13805, 14060..14122, 14060..14119, 14061..14129, 14082..14129, 14101..14265, 14110..14259, 14124..14294, 14124..14264, 14126..14293		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	32837	End	33896
GI	none	Score	197
Exons	32837..32971, 32839..32979, 32839..32967, 33042..33758, 33042..33443, 33086..33466, 33136..33522, 33501..33599, 33568..33744, 33656..33754, 33746..33895, 33747..33896, 33747..33896		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o3.tc	Method	TBLASTX:Cress
Start	33228	End	33548
GI	none	Score	340
Exons	33228..33548, 33231..33401, 33501..33542		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	33420	End	33741
GI	none	Score	377
Exons	33420..33734, 33622..33741		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o6.tc	Method	TBLASTX:Cress
Start	33558	End	33758
GI	none	Score	100
Exons	33558..33596, 33559..33732, 33579..33758, 33634..33753		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	34178	End	34569
GI	none	Score	351
Exons	34178..34462, 34179..34463, 34453..34527, 34454..34528, 34461..34529, 34513..34569, 34529..34567		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o6.ts	Method	TBLASTX:Soybean
Start	36628	End	36834
GI	none	Score	86
Exons	36628..36834, 36638..36796		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o9.tm	Method	TBLASTX:Maize
Start	36628	End	36846
GI	none	Score	186
Exons	36628..36834, 36638..36805, 36811..36846		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	38121	End	39197
GI	none	Score	97
Exons	38121..38231, 38129..38233, 38581..38673, 38589..38669, 38766..39197, 38771..39106		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	38123	End	39200
GI	none	Score	112
Exons	38123..38224, 38130..38231, 38330..38422, 38581..38664, 38589..38678, 38768..39106, 38769..39200		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	38129	End	39206
GI	none	Score	118
Exons	38129..38245, 38130..38231, 38345..38422, 38345..38422, 38508..38546, 38578..38649, 38581..38664, 38589..38663, 38764..39027, 38768..39106, 38769..39206		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	38954	End	39213
GI	none	Score	315
Exons	38954..39190, 38955..39206, 39057..39206, 39088..39213		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o12.tm	Method	TBLASTX:Maize
Start	45396	End	45725
GI	none	Score	104
Exons	45396..45548, 45396..45467, 45401..45550, 45401..45538, 45481..45555, 45506..45682, 45579..45689, 45654..45698, 45705..45725		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-

Start	52510	End	52633
Name	OJ990701_11.9922.C5.o10.tm	Method	TBLASTX:Maize
Start	46064	End	46261
GI	none	Score	275
Exons	46064..46261, 46064..46255, 46108..46257		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o8.tm	Method	TBLASTX:Maize
Start	46262	End	46515
GI	none	Score	321
Exons	46262..46456, 46269..46475, 46269..46454, 46273..46515, 46273..46455		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o7.tm	Method	TBLASTX:Maize
Start	46658	End	47808
GI	none	Score	80
Exons	46658..46777, 47159..47365, 47167..47325, 47533..47805, 47547..47807, 47584..47808, 47592..47807		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o11.tm	Method	TBLASTX:Maize
Start	48373	End	48726
GI	none	Score	123
Exons	48373..48489, 48375..48485, 48382..48486, 48392..48490, 48486..48554, 48491..48565, 48492..48551, 48499..48564, 48614..48712, 48620..48682, 48622..48723, 48622..48726		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o5.ts	Method	TBLASTX:Soybean
Start	48394	End	48716
GI	none	Score	83
Exons	48394..48513, 48396..48554, 48401..48553, 48595..48714, 48614..48715, 48624..48716		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	49156	End	51832
GI	none	Score	152
Exons	49156..49260, 49157..49261, 49644..49751, 49645..49746, 50090..50272, 50099..50272, 50100..50279, 50100..50279, 50408..50545, 50409..50543, 50416..50553, 50417..50545, 50768..50971, 50775..50840, 50776..50961, 51058..51147, 51065..51196, 51066..51200, 51291..51404, 51296..51403, 51436..51600, 51469..51612, 51489..51614, 51489..51620, 51690..51824, 51691..51825, 51700..51831, 51701..51832		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	50194	End	51832
GI	none	Score	98
Exons	50194..50271, 50195..50272, 50195..50272, 50196..50279, 50196..50279, 50408..50545, 50409..50543, 50416..50553, 50417..50545, 50768..50971, 50775..50840, 50776..50961, 51058..51147, 51065..51196, 51065..51196, 51066..51200, 51291..51404, 51296..51403, 51436..51600, 51469..51612, 51489..51614, 51489..51620, 51690..51824, 51691..51825, 51700..51831, 51701..51832		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	50900	End	51406
GI	none	Score	105
Exons	50900..50971, 50902..50961, 51065..51196, 51066..51200, 51290..51406, 51291..51404		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o4.tc	Method	TBLASTX:Cress
Start	51531	End	51828
GI	none	Score	104
Exons	51531..51611, 51554..51607, 51690..51818, 51694..51816, 51694..51828		

Seq. No.	7060	Seq. ID	OJ990701_11.9922.C5
Gene No.	14910	Strand	-
Start	52510	End	52633
Name	OJ990701_11.9922.C5.o8.np	Method	AAT/NAP
Start	52510	End	52633
GI	1785613	Score	86
Exons	52510..52633		
GI Descrip.	(U83274) polyphenol oxidase [Vitis vinifera]		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14911	Strand	+
Start	2852	End	6024
Name	OJ990701_11.9922.C6.o3.gs	Method	GENSCAN
Start	2852	End	6024
GI	none	Score	.41
Exons	2852..2935, 2947..3120, 3199..3362, 5781..5867, 5895..6024		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	1888
GI	1172584	Score	1039
Exons	1..436, 546..803, 1285..1888		
GI Descrip.	POLYPHENOL OXIDASE PRECURSOR (PPO) (CATECHOL OXIDASE)		

gi|1076478|pir||S52984 catechol oxidase (EC 1.10.3.1) precursor
 - apple tree gi|507280 (L29450) polyphenol oxidase [Malus
 domestica]

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	20	End	1423
GI	none	Score	147
Exons	20..175, 194..448, 252..410, 287..448, 491..505, 603..809, 655..756, 1298..1423, 1299..1418		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o1.gs	Method	GENSCAN
Start	53	End	878
GI	none	Score	.61
Exons	53..423, 542..878		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	131	End	464
GI	none	Score	327
Exons	131..193, 192..464, 194..439		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	597	End	803
GI	none	Score	87
Exons	597..803, 664..753		

Seq. No.	7061	Seq. ID	OJ990701_11.9922.C6
Gene No.	14912	Strand	-
Start	1	End	1894
Name	OJ990701_11.9922.C6.o2.gs	Method	GENSCAN
Start	1216	End	1894
GI	none	Score	1
Exons	1216..1227, 1289..1894		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14913	Strand	+
Start	4258	End	10347
Name	OJ990701_11.9922.C7.o1.np	Method	AAT/NAP
Start	4258	End	10311
GI	5922631	Score	6674
Exons	4258..4382, 4641..4879, 5114..5323, 5369..5934, 5977..6127, 6254..7177, 7784..10311		

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a
 region of the predicted gene.; similar to prpol; Zea mays
 retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]
 gi|6016864|dbj|BAA85207.1| (AP000570) ESTs

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14913	Strand	+
Start	4258	End	10347
Name	OJ990701_11.9922.C7.o3.gs	Method	GENSCAN
Start	4258	End	10347
GI	none	Score	.92
Exons	4258..7169, 7266..10347		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14914	Strand	-
Start	2744	End	3567
Name	OJ990701_11.9922.C7.o2.gs	Method	GENSCAN
Start	2744	End	3567
GI	none	Score	.53
Exons	2744..2908, 2947..3567		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14915	Strand	-
Start	3823	End	4130
Name	OJ990701_11.9922.C7.o1.gp	Method	AAT/GAP
Start	3823	End	4130
GI	5816559	Score	502
Exons	3823..4130		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14916	Strand	-
Start	10664	End	16611
Name	OJ990701_11.9922.C7.o4.gs	Method	GENSCAN
Start	10664	End	16611
GI	none	Score	.67
Exons	10664..11112, 11185..11289, 11357..11546, 11622..11809, 11884..12514, 12733..13879, 15049..15291, 16046..16611		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14916	Strand	-
Start	10664	End	16611
Name	OJ990701_11.9922.C7.o2.np	Method	AAT/NAP
Start	10667	End	13617
GI	6691716	Score	2379
Exons	10667..11112, 11185..11289, 11435..11546, 11622..11816, 11984..12275, 12357..12549, 12747..13617		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14916	Strand	-
Start	10664	End	16611
Name	OJ990701_11.9922.C7.o3.np	Method	AAT/NAP
Start	13825	End	16439

GI 1172587 Score 428
 Exons 13825..13854, 15085..15291, 15983..16439
 GI Descrip. POLYPHENOL OXIDASE PRECURSOR (PPO) (CATECHOL OXIDASE)
 gi|1076272|pir||S52629 catechol oxidase (EC 1.10.3.1) precursor
 - grape gi|510234|emb|CAA81798| (Z27411) polyphenol oxidase
 [Vitis vinifera]

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14916 Strand -
 Start 10664 End 16611
 Name OJ990701_11.9922.C7.o2.gp Method AAT/GAP
 Start 14697 End 15004
 GI 5816559 Score 498
 Exons 14697..15004
 GI Descrip. 4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp.
 indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
 retrotransposon, complete sequences; and unknown genes

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14917 Strand -
 Start 17442 End 20645
 Name OJ990701_11.9922.C7.o1.ts Method TBLASTX:Soybean
 Start 2759 End 16114
 GI none Score 99
 Exons 2759..2917, 2944..3003, 3010..3120, 3142..3168, 3175..3570,
 3374..3532, 15084..15161, 15171..15293, 15175..15288,
 15979..16032, 15996..16112, 16043..16114

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14917 Strand -
 Start 17442 End 20645
 Name OJ990701_11.9922.C7.o6.tm Method TBLASTX:Maize
 Start 2795 End 15309
 GI none Score 63
 Exons 2795..2890, 2801..2872, 15126..15293, 15142..15309,
 15147..15290, 15149..15169, 15167..15289

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14917 Strand -
 Start 17442 End 20645
 Name OJ990701_11.9922.C7.o2.tm Method TBLASTX:Maize
 Start 3256 End 3583
 GI none Score 164
 Exons 3256..3561, 3359..3583

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14917 Strand -
 Start 17442 End 20645
 Name OJ990701_11.9922.C7.o7.tw Method TBLASTX:Wheat
 Start 5538 End 5940
 GI none Score 294
 Exons 5538..5807, 5539..5940

Seq. No. 7062 Seq. ID OJ990701_11.9922.C7
 Gene No. 14917 Strand -
 Start 17442 End 20645
 Name OJ990701_11.9922.C7.o6.tw Method TBLASTX:Wheat

Start	6517	End	6974
GI	none	Score	150
Exons	6517..6693, 6580..6693, 6738..6974, 6742..6972		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	7194	End	7650
GI	none	Score	485
Exons	7194..7649, 7195..7650		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o4.ts	Method	TBLASTX:Soybean
Start	7234	End	7599
GI	none	Score	138
Exons	7234..7458, 7465..7599		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	7324	End	7680
GI	none	Score	375
Exons	7324..7680, 7365..7670		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	7765	End	8189
GI	none	Score	444
Exons	7765..8184, 7809..8189		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	7843	End	8244
GI	none	Score	311
Exons	7843..8244, 7860..8003, 8040..8210		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	7911	End	8355
GI	none	Score	276
Exons	7911..8165, 7912..8166, 7936..8172, 8187..8318, 8188..8331, 8329..8355		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o8.tw	Method	TBLASTX:Wheat

Start	8193	End	8475
GI	none	Score	276
Exons	8193..8270, 8194..8475, 8329..8463		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	8470	End	8858
GI	none	Score	261
Exons	8470..8856, 8478..8858		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	8479	End	8901
GI	none	Score	413
Exons	8479..8901, 8487..8891		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o7.tm	Method	TBLASTX:Maize
Start	8731	End	8985
GI	none	Score	193
Exons	8731..8985		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o10.tw	Method	TBLASTX:Wheat
Start	8917	End	9216
GI	none	Score	130
Exons	8917..9051, 9076..9216		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	9213	End	9576
GI	none	Score	450
Exons	9213..9524, 9214..9537, 9234..9557, 9528..9575, 9529..9576		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	9219	End	9606
GI	none	Score	420
Exons	9219..9530, 9220..9606, 9415..9606		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o8.tm	Method	TBLASTX:Maize
Start	9678	End	9951

GI	none	Score	95
Exons	9678..9785, 9679..9777, 9768..9842, 9772..9855, 9865..9951		
Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o5.tw	Method	TBLASTX:Wheat
Start	9721	End	10335
GI	none	Score	273
Exons	9721..9999, 9741..9830, 9882..9983, 10054..10212, 10198..10335		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	10063	End	10296
GI	none	Score	148
Exons	10063..10215, 10194..10295, 10195..10296		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o9.tw	Method	TBLASTX:Wheat
Start	13207	End	13497
GI	none	Score	219
Exons	13207..13497		

Seq. No.	7062	Seq. ID	OJ990701_11.9922.C7
Gene No.	14917	Strand	-
Start	17442	End	20645
Name	OJ990701_11.9922.C7.o5.gs	Method	GENSCAN
Start	17442	End	20645
GI	none	Score	.81
Exons	17442..17558, 17616..17635, 20546..20645		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	4158170	Score	211
Exons	1..466, 1173..1408		
GI Descrip.	(AJ006097) catechol oxidase [Ipomoea batatas]		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	2460
GI	2293360	Score	211
Exons	1..379, 1010..1403, 2434..2460		
GI Descrip.	(D87670) polyphenol oxidase [Malus domestica]		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o1.ts	Method	TBLASTX:Soybean

Start	100	End	1406
GI	none	Score	75
Exons	100..135, 179..259, 1173..1223, 1232..1309, 1233..1307, 1309..1356, 1310..1348, 1353..1406		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o1.gs	Method	GENSCAN
Start	125	End	1850
GI	none	Score	.74
Exons	125..285, 325..466, 833..917, 1123..1403, 1668..1850		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	522	End	992
GI	none	Score	142
Exons	522..614, 526..705, 771..992		

Seq. No.	7063	Seq. ID	OJ990701_11.9922.C8
Gene No.	14918	Strand	-
Start	1	End	2460
Name	OJ990701_11.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1173	End	1407
GI	none	Score	84
Exons	1173..1223, 1174..1224, 1209..1292, 1231..1305, 1232..1306, 1233..1307, 1309..1359, 1310..1345, 1353..1406, 1354..1407		

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.gs	Method	GENSCAN
Start	1599	End	6625
GI	none	Score	.47
Exons	1599..1767, 1876..2050, 3259..3311, 3885..4003, 4470..4585, 6118..6333, 6488..6625		

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.gp	Method	AAT/GAP
Start	1668	End	4403
GI	22176_1.R1084	Score	1359
Exons	1668..1892, 1999..2046, 3114..3169, 3259..3311, 3885..4003, 4149..4403		

GI Descrip. '4581162/gb|AAD24645.1|AC006220_1 5.0e-53 (AC006220) putative symbiosis-related protein [Arabidopsis thaliana]'

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.np	Method	AAT/NAP
Start	2010	End	4243
GI	4581162	Score	403
Exons	2010..2046, 3114..3169, 3259..3311, 3885..4003, 4149..4243		

GI Descrip. (AC006220) putative microtubule-associated protein [Arabidopsis thaliana]

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	2011	End	4226
GI	none	Score	60
Exons	2011..2052, 3112..3180, 3113..3172, 3114..3176, 3252..3311, 3259..3312, 3260..3313, 3879..4001, 3881..4003, 3883..4002, 4107..4226, 4148..4225		

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	3112	End	4263
GI	none	Score	75
Exons	3112..3180, 3113..3172, 3252..3311, 3259..3312, 3879..4022, 3883..4002, 4119..4241, 4148..4234, 4156..4263		

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	3112	End	4284
GI	none	Score	90
Exons	3112..3180, 3113..3172, 3252..3311, 3259..3312, 3865..3999, 3879..4022, 3883..4002, 3912..4022, 4148..4240, 4155..4235, 4156..4284		

Seq. No.	7064	Seq. ID	OJ990701_11.9922.C9
Gene No.	14919	Strand	+
Start	1599	End	6625
Name	OJ990701_11.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	3122	End	4213
GI	none	Score	67
Exons	3122..3172, 3136..3180, 3259..3312, 3260..3313, 3867..4022, 3877..4023, 3883..4002, 4148..4213		

Seq. No.	7065	Seq. ID	OJ990701_11.9922.C10
Gene No.	14920	Strand	+
Start	1	End	121
Name	OJ990701_11.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	121
GI	5777617	Score	101
Exons	1..121		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14921	Strand	+
Start	1410	End	2714
Name	OJ990701_11.9922.C11.o2.np	Method	AAT/NAP
Start	1410	End	2714
GI	5777617	Score	86
Exons	1410..1429, 2576..2714		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14922	Strand	+
Start	2916	End	6319
Name	OJ990701_11.9922.C11.o2.gs	Method	GENSCAN
Start	2916	End	6319
GI	none	Score	.58
Exons	2916..3060, 3123..3338, 3635..3661, 3743..3801, 4056..4094, 4238..4307, 5012..5265, 5490..5780, 6041..6319		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14922	Strand	+
Start	2916	End	6319
Name	OJ990701_11.9922.C11.o4.np	Method	AAT/NAP
Start	4059	End	6316
GI	4741203	Score	915
Exons	4059..4290, 4990..5265, 5490..5780, 6041..6316		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14923	Strand	-
Start	36	End	1373
Name	OJ990701_11.9922.C11.o1.gs	Method	GENSCAN
Start	36	End	1373
GI	none	Score	.5
Exons	36..444, 461..561, 663..779, 1361..1373		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.o3.np	Method	AAT/NAP
Start	3796	End	5104
GI	5777617	Score	70
Exons	3796..3894, 5044..5104		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	4503	End	5570
GI	none	Score	112
Exons	4503..4601, 4504..4608, 4505..4609, 5008..5085, 5010..5087, 5093..5272, 5097..5273, 5098..5265, 5439..5570, 5489..5524, 5519..5569		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	5119	End	5718
GI	none	Score	226
Exons	5119..5265, 5121..5273, 5142..5273, 5487..5717, 5489..5701, 5584..5718		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
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Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.ol.tc	Method	TBLASTX:Cress
Start	5140	End	6322
GI	none	Score	227
Exons	5140..5265, 5142..5273, 5487..5693, 5489..5683, 6008..6184, 6038..6157, 6043..6168, 6170..6322, 6172..6321		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	5571	End	5753
GI	none	Score	311
Exons	5571..5753, 5571..5753		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.ol.tm	Method	TBLASTX:Maize
Start	6037	End	6268
GI	none	Score	202
Exons	6037..6249, 6037..6267, 6038..6268		

Seq. No.	7066	Seq. ID	OJ990701_11.9922.C11
Gene No.	14924	Strand	-
Start	3796	End	6322
Name	OJ990701_11.9922.C11.ol.ts	Method	TBLASTX:Soybean
Start	6058	End	6319
GI	none	Score	373
Exons	6058..6315, 6062..6316, 6062..6319		

Seq. No.	7067	Seq. ID	OJ990701_11.9922.C12
Gene No.	14925	Strand	+
Start	114	End	421
Name	OJ990701_11.9922.C12.ol.gp	Method	AAT/GAP
Start	114	End	421
GI	5816559	Score	498
Exons	114..421		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	7068	Seq. ID	OJ990701_10.9919.C2
Gene No.	14926	Strand	-
Start	46	End	808
Name	OJ990701_10.9919.C2.ol.gs	Method	GENSCAN
Start	46	End	808
GI	none	Score	.83
Exons	46..808		

Seq. No.	7069	Seq. ID	OJ990701_10.9919.C3
Gene No.	14927	Strand	-
Start	1	End	519
Name	OJ990701_10.9919.C3.ol.np	Method	AAT/NAP
Start	1	End	519
GI	5091513	Score	756

Exons 1..519
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	7069	Seq. ID	OJ990701_10.9919.C3
Gene No.	14927	Strand	-
Start	1	End	519
Name	OJ990701_10.9919.C3.o1.gs	Method	GENSCAN
Start	32	End	398
GI	none	Score	.41
Exons	32..398		

Seq. No.	7070	Seq. ID	OJ990701_10.9919.C4
Gene No.	14928	Strand	+
Start	116	End	407
Name	OJ990701_10.9919.C4.o1.gs	Method	GENSCAN
Start	116	End	407
GI	none	Score	.6
Exons	116..188, 304..407		

Seq. No.	7070	Seq. ID	OJ990701_10.9919.C4
Gene No.	14929	Strand	+
Start	631	End	724
Name	OJ990701_10.9919.C4.o1.np	Method	AAT/NAP
Start	631	End	724
GI	5042454	Score	70
Exons	631..724		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7071	Seq. ID	OJ990701_10.9919.C5
Gene No.	14930	Strand	+
Start	439	End	507
Name	OJ990701_10.9919.C5.o1.gs	Method	GENSCAN
Start	439	End	507
GI	none	Score	.55
Exons	439..507		

Seq. No.	7071	Seq. ID	OJ990701_10.9919.C5
Gene No.	14931	Strand	-
Start	1368	End	1495
Name	OJ990701_10.9919.C5.o2.gs	Method	GENSCAN
Start	1368	End	1495
GI	none	Score	.81
Exons	1368..1495		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14932	Strand	+
Start	5180	End	6726
Name	OJ990701_10.9919.C6.o1.gp	Method	AAT/GAP
Start	5180	End	6726
GI	7062_2.R1084	Score	1739
Exons	5180..5254, 5400..5659, 5840..6403, 6599..6726		
GI Descrip.	'4581181/gb AAD24664.1 AC006220_20 1.0e-31 (AC006220) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14932	Strand	+
Start	5180	End	6726

Name	OJ990701_10.9919.C6.o2.np	Method	AAT/NAP
Start	5886	End	6324
GI	6862956	Score	336
Exons	5886..6324		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14933	Strand	+
Start	13359	End	13676
Name	OJ990701_10.9919.C6.o3.gp	Method	AAT/GAP
Start	13359	End	13676
GI	none	Score	542
Exons	13359..13676		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14934	Strand	+
Start	15346	End	15654
Name	OJ990701_10.9919.C6.o5.gp	Method	AAT/GAP
Start	15346	End	15654
GI	72524_1.R1084	Score	408
Exons	15346..15654		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14935	Strand	-
Start	1343	End	2473
Name	OJ990701_10.9919.C6.o2.gs	Method	GENSCAN
Start	1343	End	2470
GI	none	Score	.95
Exons	1343..1929, 2038..2470		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14935	Strand	-
Start	1343	End	2473
Name	OJ990701_10.9919.C6.o1.np	Method	AAT/NAP
Start	1346	End	2473
GI	535454	Score	972
Exons	1346..1929, 2038..2473		
GI Descrip.	(U13940) cysteine proteinase [Alnus glutinosa]		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14936	Strand	-
Start	6844	End	7264
Name	OJ990701_10.9919.C6.o2.gp	Method	AAT/GAP
Start	6844	End	7264
GI	none	Score	769
Exons	6844..7264		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o1.tc	Method	TBLASTX:Cress
Start	1289	End	2419
GI	none	Score	119
Exons	1289..1594, 1344..1724, 1349..1702, 1697..1828, 1701..1757, 1820..1930, 1869..1937, 2036..2134, 2037..2135, 2177..2239,		

2178..2243, 2252..2419, 2265..2354

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	1340	End	2379
GI	none	Score	68
Exons	1340..1489, 1341..1454, 1493..1684, 1494..1688, 1690..1713, 1701..1805, 1703..1930, 1742..1930, 2034..2111, 2036..2110, 2144..2248, 2189..2254, 2255..2362, 2332..2379		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o1.ts	Method	TBLASTX:Soybean
Start	1343	End	2428
GI	none	Score	161
Exons	1343..1540, 1347..1535, 1403..1537, 1550..1708, 1554..1685, 1700..1825, 1829..1930, 2036..2101, 2045..2254, 2112..2153, 2190..2255, 2252..2428, 2253..2354		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o1.tw	Method	TBLASTX:Wheat
Start	1412	End	2314
GI	none	Score	50
Exons	1412..1489, 1493..1570, 1670..1813, 1719..1775, 1826..1924, 1869..1925, 2045..2116, 2046..2111, 2181..2234, 2192..2251, 2255..2314		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o3.tm	Method	TBLASTX:Maize
Start	5890	End	6218
GI	none	Score	69
Exons	5890..5940, 5904..5939, 5937..6026, 5938..6216, 5941..6216, 6054..6218		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o2.tc	Method	TBLASTX:Cress
Start	13456	End	13797
GI	none	Score	68
Exons	13456..13560, 13581..13796, 13582..13797		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o2.tw	Method	TBLASTX:Wheat
Start	13458	End	13688
GI	none	Score	196
Exons	13458..13688, 13459..13686		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o3.np	Method	AAT/NAP
Start	13461	End	17200
GI	4836925	Score	605
Exons	13461..13789, 14502..14886, 15059..15199, 17148..17200		
GI Descrip.	(AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o2.ts	Method	TBLASTX:Soybean
Start	13477	End	15184
GI	none	Score	179
Exons	13477..13794, 13539..13811, 14500..14577, 14590..14763, 14815..14853, 15056..15184		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o2.tm	Method	TBLASTX:Maize
Start	13720	End	15136
GI	none	Score	82
Exons	13720..13791, 13731..13811, 13732..13794, 14500..14889, 14501..14872, 14529..14888, 15059..15124, 15059..15136		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o4.gp	Method	AAT/GAP
Start	13751	End	14895
GI	LIB3477-011-P1-K1-C9	Score	762
Exons	13751..13789, 14502..14895		
GI Descrip.	'4836925/gb AAD30627.1 AC007153_19 3.0e-35 (AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	7072	Seq. ID	OJ990701_10.9919.C6
Gene No.	14937	Strand	-
Start	13461	End	19623
Name	OJ990701_10.9919.C6.o4.np	Method	AAT/NAP
Start	14470	End	19623
GI	5091513	Score	1571
Exons	14470..14524, 14707..14790, 17053..17401, 18114..18381, 18428..19623		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14938	Strand	+
Start	905	End	6508
Name	OJ990701_10.9919.C7.o2.np	Method	AAT/NAP
Start	905	End	5867
GI	4996363	Score	1319
Exons	905..929, 3864..4163, 4197..5867		
GI Descrip.	(AB021264) polyprotein [Arabidopsis thaliana]		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14938	Strand	+
Start	905	End	6508
Name	OJ990701_10.9919.C7.o2.gs	Method	GENSCAN
Start	3184	End	6508
GI	none	Score	.53
Exons	3184..3261, 3399..3647, 3940..4061, 4102..4444, 4469..5152, 5206..5460, 5470..5652, 6027..6200, 6229..6303, 6322..6508		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14939	Strand	-
Start	1	End	773
Name	OJ990701_10.9919.C7.o1.np	Method	AAT/NAP
Start	1	End	773
GI	5091513	Score	1167
Exons	1..773		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14940	Strand	
Start	1737	End	2069
Name	OJ990701_10.9919.C7.o5.tm	Method	TBLASTX:Maize
Start	1737	End	2069
GI	none	Score	111
Exons	1737..1871, 1737..1925, 1738..1908, 1917..1940, 1944..1979, 1957..2004, 2008..2067, 2022..2069		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14941	Strand	
Start	4223	End	5025
Name	OJ990701_10.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	4223	End	4819
GI	5509260	Score	375
Exons	4223..4819, 4645..4815		
GI Descrip.	-		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14941	Strand	
Start	4223	End	5025
Name	OJ990701_10.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	4366	End	4618
GI	none	Score	289
Exons	4366..4617, 4367..4618		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14941	Strand	
Start	4223	End	5025
Name	OJ990701_10.9919.C7.o2.tw	Method	TBLASTX:Wheat
Start	4409	End	4795
GI	none	Score	303
Exons	4409..4795, 4457..4597, 4471..4599, 4645..4794		

Seq. No.	7073	Seq. ID	OJ990701_10.9919.C7
Gene No.	14941	Strand	
Start	4223	End	5025
Name	OJ990701_10.9919.C7.o1.tc	Method	TBLASTX:Cress

Start 4453
GI none
Exons 4453..4665, 4460..4705

End 4705
Score 225

Seq. No. 7073
Gene No. 14941
Start 4223
Name OJ990701_10.9919.C7.o2.tm
Start 4618
GI none
Exons 4618..5016, 4619..5023, 4924..5025, 4940..5020, 4956..5024

Seq. ID OJ990701_10.9919.C7
Strand
End 5025
Method TBLASTX:Maize
End 5025
Score 440

Seq. No. 7073
Gene No. 14942
Start 5000
Name OJ990701_10.9919.C7.o1.tw
Start 5000
GI none
Exons 5000..5155, 5008..5154, 5164..5424, 5166..5423

Seq. ID OJ990701_10.9919.C7
Strand
End 5856
Method TBLASTX:Wheat
End 5424
Score 159

Seq. No. 7073
Gene No. 14942
Start 5000
Name OJ990701_10.9919.C7.o1.tm
Start 5029
GI none
Exons 5029..5133, 5030..5146, 5042..5164, 5134..5481, 5142..5480

Seq. ID OJ990701_10.9919.C7
Strand
End 5856
Method TBLASTX:Maize
End 5481
Score 145

Seq. No. 7073
Gene No. 14942
Start 5000
Name OJ990701_10.9919.C7.o1.ts
Start 5188
GI none
Exons 5188..5784, 5190..5318, 5382..5552, 5610..5711

Seq. ID OJ990701_10.9919.C7
Strand
End 5856
Method TBLASTX:Soybean
End 5784
Score 449

Seq. No. 7073
Gene No. 14942
Start 5000
Name OJ990701_10.9919.C7.o3.tm
Start 5482
GI none
Exons 5482..5793, 5498..5602, 5500..5784, 5601..5789, 5794..5856, 5796..5855

Seq. ID OJ990701_10.9919.C7
Strand
End 5856
Method TBLASTX:Maize
End 5856
Score 351

Seq. No. 7073
Gene No. 14942
Start 5000
Name OJ990701_10.9919.C7.o3.tw
Start 5638
GI none
Exons 5638..5826, 5649..5825

Seq. ID OJ990701_10.9919.C7
Strand
End 5856
Method TBLASTX:Wheat
End 5826
Score 174

Seq. No. 7074
Gene No. 14943
Start 733
Name OJ990701_10.9919.C8.o1.np

Seq. ID OJ990701_10.9919.C8
Strand +
End 851
Method AAT/NAP

Start	733	End	851
GI	5852093	Score	64
Exons	733..851		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14944	Strand	+
Start	1301	End	1497
Name	OJ990701_10.9919.C8.o1.gs	Method	GENSCAN
Start	1301	End	1497
GI	none	Score	.97
Exons	1301..1497		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14945	Strand	+
Start	7952	End	8283
Name	OJ990701_10.9919.C8.o3.gs	Method	GENSCAN
Start	7952	End	8283
GI	none	Score	.62
Exons	7952..7958, 8111..8283		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14946	Strand	-
Start	1341	End	5667
Name	OJ990701_10.9919.C8.o2.np	Method	AAT/NAP
Start	1341	End	5667
GI	6815052	Score	2459
Exons	1341..1460, 1742..1815, 1897..2634, 2683..2818, 3601..3693, 4559..4658, 4958..5079, 5361..5427, 5510..5667		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14947	Strand	-
Start	5943	End	6052
Name	OJ990701_10.9919.C8.o3.np	Method	AAT/NAP
Start	5943	End	6052
GI	5852093	Score	59
Exons	5943..6052		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14948	Strand	-
Start	6853	End	8158
Name	OJ990701_10.9919.C8.o4.np	Method	AAT/NAP
Start	6853	End	8158
GI	6815099	Score	85
Exons	6853..7042, 8108..8158		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14949	Strand	-
Start	9738	End	12313
Name	OJ990701_10.9919.C8.o4.gs	Method	GENSCAN
Start	9738	End	12313
GI	none	Score	.59
Exons	9738..10188, 12204..12313		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14950	Strand	-
Start	14294	End	14730
Name	OJ990701_10.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	2873	End	3367
GI	none	Score	65
Exons	2873..3367, 2973..3131, 3077..3343		

Seq. No.	7074	Seq. ID	OJ990701_10.9919.C8
Gene No.	14950	Strand	-
Start	14294	End	14730
Name	OJ990701_10.9919.C8.o5.gs	Method	GENSCAN
Start	14294	End	14730
GI	none	Score	.8
Exons	14294..14475, 14694..14730		

Seq. No.	7075	Seq. ID	OJ990701_10.9919.C9
Gene No.	14951	Strand	+
Start	1	End	1185
Name	OJ990701_10.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	1185
GI	6721516	Score	69
Exons	1..139, 1167..1185		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7075	Seq. ID	OJ990701_10.9919.C9
Gene No.	14951	Strand	+
Start	1	End	1185
Name	OJ990701_10.9919.C9.o1.gs	Method	GENSCAN
Start	284	End	826
GI	none	Score	.51
Exons	284..360, 718..826		

Seq. No.	7076	Seq. ID	OJ990701_10.9919.C10
Gene No.	14952	Strand	+
Start	241	End	5018
Name	OJ990701_10.9919.C10.o1.np	Method	AAT/NAP
Start	241	End	5018
GI	6069646	Score	268
Exons	241..291, 3017..3107, 3966..4602, 4967..5018		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	7076	Seq. ID	OJ990701_10.9919.C10
Gene No.	14952	Strand	+
Start	241	End	5018
Name	OJ990701_10.9919.C10.o2.gs	Method	GENSCAN
Start	3796	End	4315
GI	none	Score	.85
Exons	3796..3891, 3929..4315		

Seq. No.	7076	Seq. ID	OJ990701_10.9919.C10
Gene No.	14953	Strand	-
Start	1761	End	3000

Name	OJ990701_10.9919.C10.o1.gs	Method	GENSCAN
Start	1761	End	3000
GI	none	Score	.6
Exons	1761..1865, 2010..2016, 2465..3000		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14954	Strand	+
Start	9679	End	11155
Name	OJ990701_10.9919.C11.o2.gs	Method	GENSCAN
Start	9679	End	11155
GI	none	Score	.75
Exons	9679..9681, 9768..9895, 10046..10348, 10417..11155		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14955	Strand	+
Start	15101	End	16598
Name	OJ990701_10.9919.C11.o4.np	Method	AAT/NAP
Start	14330	End	15646
GI	1235664	Score	155
Exons	14330..14776, 15558..15646		
GI Descrip.	(U37936) novel calmodulin-like protein [Oryza sativa] gi 3171148 (AF064456) calmodulin-like protein [Oryza sativa subsp. indica] gi 6969639 gb AAF33852.1 (AF231026) calmodulin-like protein [Oryza sativa]		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14955	Strand	+
Start	15101	End	16598
Name	OJ990701_10.9919.C11.o3.gs	Method	GENSCAN
Start	15101	End	16598
GI	none	Score	.56
Exons	15101..15103, 15542..15973, 16227..16329, 16450..16598		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14956	Strand	-
Start	343	End	8265
Name	OJ990701_10.9919.C11.o1.np	Method	AAT/NAP
Start	343	End	2194
GI	4521190	Score	330
Exons	343..2194		
GI Descrip.	(AB013448) Pib [Oryza sativa] gi 4521192 dbj BAA76282.1 (AB013449) Pib [Oryza sativa]		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14956	Strand	-
Start	343	End	8265
Name	OJ990701_10.9919.C11.o1.gs	Method	GENSCAN
Start	434	End	8265
GI	none	Score	.72
Exons	434..2239, 4149..4282, 4503..4545, 5690..6304, 7171..8265		

Seq. No.	7077	Seq. ID	OJ990701_10.9919.C11
Gene No.	14956	Strand	-
Start	343	End	8265
Name	OJ990701_10.9919.C11.o2.np	Method	AAT/NAP
Start	3432	End	8127
GI	4521190	Score	409

Exons 3432..3459, 5752..6304, 6344..6463, 7171..7466, 7494..7884, 7923..8127
 GI Descrip. (AB013448) Pib [Oryza sativa] gi|4521192|dbj|BAA76282.1|
 (AB013449) Pib [Oryza sativa]

Seq. No. 7077 Seq. ID OJ990701_10.9919.C11
 Gene No. 14956 Strand -
 Start 343 End 8265
 Name OJ990701_10.9919.C11.o3.np Method AAT/NAP
 Start 3513 End 8265
 GI 6172381 Score 475
 Exons 3513..3563, 5735..6304, 6344..6463, 7171..7466, 7494..7884, 7923..8265
 GI Descrip. (AB026839) Pi-b protein [Oryza sativa]

Seq. No. 7077 Seq. ID OJ990701_10.9919.C11
 Gene No. 14957 Strand -
 Start 16161 End 16214
 Name OJ990701_10.9919.C11.o1.tm Method TBLASTX:Maize
 Start 440 End 796
 GI none Score 66
 Exons 440..697, 447..662, 491..673, 695..796

Seq. No. 7077 Seq. ID OJ990701_10.9919.C11
 Gene No. 14957 Strand -
 Start 16161 End 16214
 Name OJ990701_10.9919.C11.o1.tw Method TBLASTX:Wheat
 Start 1292 End 1642
 GI none Score 53
 Exons 1292..1327, 1294..1329, 1314..1451, 1343..1504, 1346..1492, 1493..1642, 1508..1594, 1516..1614

Seq. No. 7077 Seq. ID OJ990701_10.9919.C11
 Gene No. 14957 Strand -
 Start 16161 End 16214
 Name OJ990701_10.9919.C11.o5.np Method AAT/NAP
 Start 16161 End 16214
 GI 5042454 Score 75
 Exons 16161..16214
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No. 7078 Seq. ID OJ990701_10.9919.C12
 Gene No. 14958 Strand +
 Start 2830 End 4431
 Name OJ990701_10.9919.C12.o2.gs Method GENSCAN
 Start 2830 End 4431
 GI none Score .48
 Exons 2830..2878, 3132..3254, 3790..3893, 4336..4431

Seq. No. 7078 Seq. ID OJ990701_10.9919.C12
 Gene No. 14959 Strand -
 Start 67 End 141
 Name OJ990701_10.9919.C12.o1.gs Method GENSCAN
 Start 67 End 141
 GI none Score .89
 Exons 67..141

Seq. No.	7079	Seq. ID	OJ990701_10.9919.C13
Gene No.	14960	Strand	+
Start	939	End	3784
Name	OJ990701_10.9919.C13.o1.gs	Method	GENSCAN
Start	939	End	2171
GI	none	Score	.87
Exons	939..2171		

Seq. No.	7079	Seq. ID	OJ990701_10.9919.C13
Gene No.	14960	Strand	+
Start	939	End	3784
Name	OJ990701_10.9919.C13.o1.np	Method	AAT/NAP
Start	939	End	3784
GI	6907089	Score	1893
Exons	939..2267, 3762..3784		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7079	Seq. ID	OJ990701_10.9919.C13
Gene No.	14960	Strand	+
Start	939	End	3784
Name	OJ990701_10.9919.C13.o2.np	Method	AAT/NAP
Start	2338	End	3124
GI	4680183	Score	173
Exons	2338..2428, 3035..3124		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7080	Seq. ID	OJ990701_10.9919.C14
Gene No.	14961	Strand	+
Start	1	End	2703
Name	OJ990701_10.9919.C14.o1.np	Method	AAT/NAP
Start	1	End	2703
GI	6907089	Score	2338
Exons	1..150, 282..413, 661..733, 837..2703		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7080	Seq. ID	OJ990701_10.9919.C14
Gene No.	14962	Strand	-
Start	3328	End	5355
Name	OJ990701_10.9919.C14.o2.gs	Method	GENSCAN
Start	3328	End	5100
GI	none	Score	.79
Exons	3328..5100		

Seq. No.	7080	Seq. ID	OJ990701_10.9919.C14
Gene No.	14962	Strand	-
Start	3328	End	5355
Name	OJ990701_10.9919.C14.o2.tm	Method	TBLASTX:Maize
Start	3328	End	3471
GI	none	Score	126
Exons	3328..3471, 3332..3466		

Seq. No.	7080	Seq. ID	OJ990701_10.9919.C14
Gene No.	14962	Strand	-
Start	3328	End	5355
Name	OJ990701_10.9919.C14.o2.np	Method	AAT/NAP
Start	3331	End	5355
GI	6498441	Score	2911

Exons 3331..3612, 3706..5103, 5275..5355
 GI Descrip. (AP000815). EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o2.tw Method TBLASTX:Wheat
 Start 3340 End 3942
 GI none Score 77
 Exons 3340..3465, 3344..3466, 3496..3555, 3652..3942, 3653..3937

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o1.tw Method TBLASTX:Wheat
 Start 3943 End 4324
 GI none Score 228
 Exons 3943..4323, 3974..4324

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o1.tm Method TBLASTX:Maize
 Start 4129 End 4452
 GI none Score 83
 Exons 4129..4341, 4138..4452, 4151..4444

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o4.tw Method TBLASTX:Wheat
 Start 4654 End 4966
 GI none Score 69
 Exons 4654..4914, 4790..4966

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o1.ts Method TBLASTX:Soybean
 Start 4714 End 5280
 GI 5666795 Score 68
 Exons 4714..4914, 4969..5106, 5182..5280
 GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No. 7080 Seq. ID OJ990701_10.9919.C14
 Gene No. 14962 Strand -
 Start 3328 End 5355
 Name OJ990701_10.9919.C14.o3.tw Method TBLASTX:Wheat
 Start 4969 End 5346
 GI none Score 78
 Exons 4969..5118, 4970..5107, 4984..5109, 5162..5338, 5179..5346

Seq. No. 7081 Seq. ID OJ990701_10.9919.C15
 Gene No. 14963 Strand +
 Start 15561 End 17015

Name	OJ990701_10.9919.C15.o3.gs	Method	GENSCAN
Start	15561	End	17015
GI	none	Score	.79
Exons	15561..17015		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14964	Strand	-
Start	1	End	3375
Name	OJ990701_10.9919.C15.o1.np	Method	AAT/NAP
Start	1	End	3375
GI	6498441	Score	4125
Exons	1..586, 761..895, 1079..1452, 1516..1979, 2310..3375		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o1.ts	Method	TBLASTX:Soybean
Start	424	End	795
GI	none	Score	93
Exons	424..795, 635..778		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o2.tw	Method	TBLASTX:Wheat
Start	454	End	874
GI	none	Score	289
Exons	454..873, 479..874		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o2.tm	Method	TBLASTX:Maize
Start	547	End	931
GI	none	Score	220
Exons	547..930, 566..931		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o1.tm	Method	TBLASTX:Maize
Start	958	End	1314
GI	none	Score	75
Exons	958..1074, 958..1314, 969..1193, 992..1273, 1102..1275		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o1.tw	Method	TBLASTX:Wheat
Start	982	End	1445
GI	none	Score	226
Exons	982..1443, 982..1443, 992..1444, 1002..1445		

Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
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Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o2.ts	Method	TBLASTX:Soybean
Start	1039	End	1404
GI	none	Score	112
Exons	1039..1173, 1180..1404		
Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o3.tw	Method	TBLASTX:Wheat
Start	1609	End	2095
GI	none	Score	166
Exons	1609..2094, 1640..1900, 1922..2095		
Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o4.tw	Method	TBLASTX:Wheat
Start	2834	End	3223
GI	none	Score	98
Exons	2834..3091, 2868..3107, 3074..3172, 3075..3155, 3179..3223		
Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o3.tm	Method	TBLASTX:Maize
Start	2936	End	3184
GI	none	Score	109
Exons	2936..3184, 2937..3182		
Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14965	Strand	-
Start	11386	End	13055
Name	OJ990701_10.9919.C15.o2.np	Method	AAT/NAP
Start	11386	End	13055
GI	6539588	Score	130
Exons	11386..11404, 12740..13055		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	7081	Seq. ID	OJ990701_10.9919.C15
Gene No.	14966	Strand	-
Start	17811	End	18159
Name	OJ990701_10.9919.C15.o5.tw	Method	TBLASTX:Wheat
Start	17811	End	18159
GI	none	Score	112
Exons	17811..17936, 17812..17937, 17938..18159, 17952..18146		
Seq. No.	7082	Seq. ID	OJ990701_10.9919.C16
Gene No.	14967	Strand	+
Start	1	End	309
Name	OJ990701_10.9919.C16.o1.gp	Method	AAT/GAP
Start	1	End	309
GI	72524_1.R1084	Score	431
Exons	1..309		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	7083	Seq. ID	OJ990331_11.9923.C1
Gene No.	14968	Strand	+
Start	1	End	617
Name	OJ990331_11.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	617
GI	4895200	Score	130
Exons	1..116, 236..353, 443..515, 569..617		
GI Descrip.	(AC007661) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7083	Seq. ID	OJ990331_11.9923.C1
Gene No.	14968	Strand	+
Start	1	End	617
Name	OJ990331_11.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	234	End	517
GI	none	Score	103
Exons	234..332, 236..352, 241..342, 423..497, 424..501, 442..501, 443..517		

Seq. No.	7083	Seq. ID	OJ990331_11.9923.C1
Gene No.	14968	Strand	+
Start	1	End	617
Name	OJ990331_11.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	241	End	501
GI	none	Score	122
Exons	241..351, 242..352, 424..501, 441..497		

Seq. No.	7083	Seq. ID	OJ990331_11.9923.C1
Gene No.	14968	Strand	+
Start	1	End	617
Name	OJ990331_11.9923.C1.o1.gs	Method	GENSCAN
Start	413	End	501
GI	none	Score	.4
Exons	413..501		

Seq. No.	7084	Seq. ID	OJ990331_11.9923.C3
Gene No.	14969	Strand	-
Start	90	End	464
Name	OJ990331_11.9923.C3.o1.gp	Method	AAT/GAP
Start	90	End	464
GI	none	Score	458
Exons	90..177, 306..464		

Seq. No.	7084	Seq. ID	OJ990331_11.9923.C3
Gene No.	14969	Strand	-
Start	90	End	464
Name	OJ990331_11.9923.C3.o1.gs	Method	GENSCAN
Start	90	End	451
GI	none	Score	.88
Exons	90..177, 306..451		

Seq. No.	7085	Seq. ID	OJ990331_11.9923.C6
Gene No.	14970	Strand	-
Start	36	End	587
Name	OJ990331_11.9923.C6.o1.gs	Method	GENSCAN
Start	36	End	587
GI	none	Score	.47

Exons 36..175, 183..369, 387..587

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14971	Strand	+
Start	2026	End	7627
Name	OJ990331_11.9923.C7.o1.gs	Method	GENSCAN
Start	2026	End	7627
GI	none	Score	.51
Exons	2026..2195, 2968..3073, 3783..4024, 4828..5257, 5349..5726, 6319..6411, 7004..7627		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14971	Strand	+
Start	2026	End	7627
Name	OJ990331_11.9923.C7.o1.gp	Method	AAT/GAP
Start	4853	End	5457
GI	none	Score	954
Exons	4853..5257, 5349..5457		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14971	Strand	+
Start	2026	End	7627
Name	OJ990331_11.9923.C7.o1.np	Method	AAT/NAP
Start	4985	End	7525
GI	4835767	Score	647
Exons	4985..5295, 5349..5726, 7004..7525		
GI Descrip.	(AC007202) T8K14.16 [Arabidopsis thaliana]		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14972	Strand	+
Start	8126	End	8288
Name	OJ990331_11.9923.C7.o2.gp	Method	AAT/GAP
Start	8126	End	8288
GI	uC-osflcyp032f03b1	Score	283
Exons	8126..8288		
GI Descrip.	'3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o4.tm	Method	TBLASTX:Maize
Start	4810	End	5432
GI	none	Score	136
Exons	4810..4842, 4934..5011, 4934..5014, 5023..5079, 5060..5110, 5069..5101, 5110..5199, 5111..5197, 5156..5257, 5161..5265, 5348..5431, 5349..5432		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o2.ts	Method	TBLASTX:Soybean
Start	5126	End	7099
GI	none	Score	69
Exons	5126..5197, 5348..5458, 5349..5483, 5397..5465, 5561..5716, 5562..5687, 7001..7099, 7003..7098		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	7076	End	7830
GI	none	Score	276
Exons	7076..7243, 7076..7192, 7240..7278, 7246..7455, 7247..7504, 7388..7483, 7455..7496, 7567..7626, 7568..7627, 7694..7738, 7704..7745, 7756..7830		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	7103	End	7477
GI	none	Score	407
Exons	7103..7477, 7147..7191, 7237..7455		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o6.tm	Method	TBLASTX:Maize
Start	8175	End	8574
GI	none	Score	71
Exons	8175..8195, 8296..8454, 8301..8447, 8320..8454, 8360..8455, 8370..8474, 8440..8574, 8471..8569		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o2.np	Method	AAT/NAP
Start	8374	End	12559
GI	3980384	Score	365
Exons	8374..8686, 8794..9012, 9121..9576, 9706..9852, 10642..10755, 12419..12559		
GI Descrip.	(AC004561) unknown protein [Arabidopsis thaliana]		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o3.ts	Method	TBLASTX:Soybean
Start	8557	End	8991
GI	none	Score	184
Exons	8557..8652, 8809..8991		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	8606	End	9730
GI	none	Score	81
Exons	8606..8659, 8608..8658, 8620..8661, 8741..8809, 8749..8805, 8767..8991, 8776..8988, 8825..9004, 8826..8993, 8996..9034, 9000..9041, 9004..9033, 9005..9034, 9031..9444, 9032..9445, 9034..9444, 9412..9567, 9416..9559, 9508..9729, 9557..9730, 9560..9730		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o3.gp	Method	AAT/GAP
Start	9166	End	9618
GI	2428164	Score	891
Exons	9166..9618		
GI Descrip.	3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o5.tm	Method	TBLASTX:Maize
Start	10137	End	10418
GI	none	Score	217
Exons	10137..10412, 10147..10413, 10148..10414, 10254..10418		

Seq. No.	7086	Seq. ID	OJ990331_11.9923.C7
Gene No.	14973	Strand	-
Start	8374	End	12559
Name	OJ990331_11.9923.C7.o3.tm	Method	TBLASTX:Maize
Start	10720	End	10997
GI	none	Score	361
Exons	10720..10995, 10721..10996, 10722..10997		

Seq. No.	7087	Seq. ID	OJ990331_11.9923.C8
Gene No.	14974	Strand	-
Start	4671	End	4996
Name	OJ990331_11.9923.C8.o2.gs	Method	GENSCAN
Start	4671	End	4996
GI	none	Score	.47
Exons	4671..4831, 4855..4996		

Seq. No.	7088	Seq. ID	OJ990331_11.9923.C11
Gene No.	14975	Strand	+
Start	178	End	279
Name	OJ990331_11.9923.C11.o1.gs	Method	GENSCAN
Start	178	End	279
GI	none	Score	.41
Exons	178..279		

Seq. No.	7089	Seq. ID	OJ990331_11.9923.C13
Gene No.	14976	Strand	+
Start	1	End	353
Name	OJ990331_11.9923.C13.o1.gp	Method	AAT/GAP
Start	1	End	348
GI	31280_1.R1084	Score	677
Exons	1..348		
GI Descrip.	'5354158/gb AAD42378.1 AF149841_1 4.0e-62 (AF149841) digalactosyl diacylglycerol synthase [Arabidopsis thaliana] >gi_5354160_gb_AAD42379.1 AF149842_1 (AF149842) digalactosyl diacylglycerol synthase [Arabidopsis thaliana] >gi_6041825_gb_AAF02140.1 AC009918_12 (AC009918) digalactosyl diacylglycerol synthase [Arabidopsis thaliana]'		

Seq. No.	7089	Seq. ID	OJ990331_11.9923.C13
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Gene No.	14976	Strand	+
Start	1	End	353
Name	OJ990331_11.9923.C13.ol.np	Method	AAT/NAP
Start	1	End	353
GI	5354158	Score	308
Exons	1..353		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi 5354160 gb AAD42379.1 AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi 6041825 gb AAF02140.1 AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	7089	Seq. ID	OJ990331_11.9923.C13
Gene No.	14976	Strand	+
Start	1	End	353
Name	OJ990331_11.9923.C13.ol.tm	Method	TBLASTX:Maize
Start	51	End	348
GI	none	Score	193
Exons	51..347, 73..348, 81..347		

Seq. No.	7089	Seq. ID	OJ990331_11.9923.C13
Gene No.	14976	Strand	+
Start	1	End	353
Name	OJ990331_11.9923.C13.ol.ts	Method	TBLASTX:Soybean
Start	60	End	348
GI	none	Score	341
Exons	60..155, 61..348, 82..306, 183..347		

Seq. No.	7089	Seq. ID	OJ990331_11.9923.C13
Gene No.	14976	Strand	+
Start	1	End	353
Name	OJ990331_11.9923.C13.ol.gs	Method	GENSCAN
Start	67	End	348
GI	none	Score	.96
Exons	67..348		

Seq. No.	7090	Seq. ID	OJ990331_11.9923.C14
Gene No.	14977	Strand	+
Start	426	End	749
Name	OJ990331_11.9923.C14.ol.gp	Method	AAT/GAP
Start	426	End	749
GI	none	Score	344
Exons	426..584, 711..749		

Seq. No.	7090	Seq. ID	OJ990331_11.9923.C14
Gene No.	14977	Strand	+
Start	426	End	749
Name	OJ990331_11.9923.C14.ol.gs	Method	GENSCAN
Start	439	End	584
GI	none	Score	.54
Exons	439..584		

Seq. No.	7091	Seq. ID	OJ990331_11.9923.C15
Gene No.	14978	Strand	+
Start	413	End	3845
Name	OJ990331_11.9923.C15.ol.gs	Method	GENSCAN
Start	413	End	3845

GI	none	Score	.49
Exons	413..486, 1542..1629, 1793..1937, 3421..3845		
Seq. No.	7091	Seq. ID	OJ990331_11.9923.C15
Gene No.	14979	Strand	-
Start	976	End	4067
Name	OJ990331_11.9923.C15.o1.np	Method	AAT/NAP
Start	976	End	4067
GI	6498423	Score	129
Exons	976..1016, 3354..3457, 3565..3732, 3835..4067		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	7091	Seq. ID	OJ990331_11.9923.C15
Gene No.	14980	Strand	-
Start	5472	End	6154
Name	OJ990331_11.9923.C15.o2.gs	Method	GENSCAN
Start	5472	End	6154
GI	none	Score	.44
Exons	5472..5579, 5984..6154		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14981	Strand	+
Start	4329	End	6870
Name	OJ990331_11.9923.C16.o2.np	Method	AAT/NAP
Start	4329	End	6870
GI	1352681	Score	721
Exons	4329..4384, 5269..5645, 5799..6137, 6237..6342, 6440..6631, 6749..6870		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi 1076391 pir S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi 633028 dbj BAA07287 (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi 6006880 gb AAF00655.1 AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14981	Strand	+
Start	4329	End	6870
Name	OJ990331_11.9923.C16.o3.gs	Method	GENSCAN
Start	5295	End	6858
GI	none	Score	.83
Exons	5295..5645, 5709..6137, 6237..6342, 6440..6858		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14982	Strand	+
Start	17090	End	19098
Name	OJ990331_11.9923.C16.o3.np	Method	AAT/NAP
Start	17090	End	19095
GI	2642159	Score	1587
Exons	17090..17200, 17935..17997, 18102..18341, 18427..19095		
GI Descrip.	(AC003000) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi 3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi 4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14982	Strand	+
Start	17090	End	19098

Name	OJ990331_11.9923.C16.o5.gs	Method	GENSCAN
Start	17090	End	19098
GI	none	Score	.89
Exons	17090..17200, 17935..17997, 18102..18341, 18427..19098		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14982	Strand	+
Start	17090	End	19098
Name	OJ990331_11.9923.C16.o1.gp	Method	AAT/GAP
Start	17139	End	18489
GI	36904_1.R1084	Score	785
Exons	17139..17200, 17935..17997, 18102..18341, 18427..18489		
GI Descrip.	'4103324 2.0e-62 (AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14983	Strand	+
Start	22213	End	25794
Name	OJ990331_11.9923.C16.o7.gs	Method	GENSCAN
Start	22213	End	25425
GI	none	Score	.81
Exons	22213..22223, 22607..22721, 22780..23094, 23602..23868, 24435..24784, 24933..25425		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14983	Strand	+
Start	22213	End	25794
Name	OJ990331_11.9923.C16.o3.gp	Method	AAT/GAP
Start	22718	End	23798
GI	31280_1.R1084	Score	1112
Exons	22718..23094, 23602..23798		
GI Descrip.	'5354158/gb AAD42378.1 AF149841_1 4.0e-62 (AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_5354160_gb_AAD42379.1_AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_6041825_gb_AAF02140.1_AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14983	Strand	+
Start	22213	End	25794
Name	OJ990331_11.9923.C16.o4.np	Method	AAT/NAP
Start	22807	End	25442
GI	3047114	Score	1087
Exons	22807..22941, 23573..23868, 24435..24661, 24933..25442		
GI Descrip.	(AF058919) No definition line found [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14983	Strand	+
Start	22213	End	25794
Name	OJ990331_11.9923.C16.o4.gp	Method	AAT/GAP
Start	24504	End	25794
GI	21864_1.R1084	Score	2251
Exons	24504..24784, 24933..25794		
GI Descrip.	'3047114 5.0e-57 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o8.gs	Method	GENSCAN
Start	26783	End	37719
GI	none	Score	.59
Exons	26783..27055, 28030..28094, 28950..29043, 29298..29403, 29518..29589, 30188..31044, 31294..31567, 31651..31721, 31822..31998, 33101..33313, 33442..33529, 33665..33693, 34071..34220, 34234..34302, 34365..34517, 34609..34777, 34897..34991, 35448..35552, 35929..36038, 37620..37719		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o5.np	Method	AAT/NAP
Start	26819	End	29411
GI	4895200	Score	673
Exons	26819..27055, 27624..27741, 27831..27889, 28030..28094, 28950..29043, 29135..29215, 29298..29411		
GI Descrip.	(AC007661) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o5.gp	Method	AAT/GAP
Start	29313	End	30402
GI	none	Score	630
Exons	29313..29403, 30080..30152, 30228..30402		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o6.gp	Method	AAT/GAP
Start	30443	End	30985
GI	LIB3434-011-P1-K1-G4	Score	862
Exons	30443..30583, 30674..30985		
GI Descrip.	'4895199/gb AAD32786.1 AC007661_23 5.0e-11 (AC007661) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o7.gp	Method	AAT/GAP
Start	31651	End	31901
GI	2797283	Score	262
Exons	31651..31721, 31822..31901		
GI Descrip.	4895199/gb AAD32786.1 AC007661_23 5.0e-11 (AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o8.gp	Method	AAT/GAP
Start	31887	End	32350
GI	none	Score	883
Exons	31887..32350		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14984	Strand	+
Start	26783	End	37719
Name	OJ990331_11.9923.C16.o9.gp	Method	AAT/GAP
Start	33155	End	34647
GI	none	Score	1279
Exons	33155..33313, 33442..33529, 33612..33634, 33753..33827, 33910..33963, 34071..34148, 34234..34302, 34365..34517, 34609..34647		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14985	Strand	+
Start	52996	End	57907
Name	OJ990331_11.9923.C16.o12.gp	Method	AAT/GAP
Start	52996	End	55118
GI	none	Score	836
Exons	52996..53183, 54462..54653, 55043..55118		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14985	Strand	+
Start	52996	End	57907
Name	OJ990331_11.9923.C16.o7.np	Method	AAT/NAP
Start	53351	End	57907
GI	4006886	Score	893
Exons	53351..53386, 55519..55651, 55725..55826, 56151..56270, 56443..56655, 56841..56903, 57198..57313, 57414..57472, 57567..57907		

GI Descrip. (Z99708) putative protein [Arabidopsis thaliana]

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14985	Strand	+
Start	52996	End	57907
Name	OJ990331_11.9923.C16.o12.gs	Method	GENSCAN
Start	55060	End	57904
GI	none	Score	.7
Exons	55060..55176, 55343..55427, 55519..55701, 55958..56028, 56151..56270, 56443..56655, 56841..56903, 57198..57313, 57414..57472, 57567..57904		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14985	Strand	+
Start	52996	End	57907
Name	OJ990331_11.9923.C16.o13.gp	Method	AAT/GAP
Start	57175	End	57740
GI	LIB3432-024-P1-K1-C2	Score	606
Exons	57175..57313, 57414..57472, 57567..57740		
GI Descrip.	'4006886/emb CAB16816.1 7.0e-34 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14986	Strand	-
Start	335	End	4123
Name	OJ990331_11.9923.C16.o1.np	Method	AAT/NAP
Start	335	End	4123
GI	5042454	Score	3244
Exons	335..1123, 1760..3468, 3525..3631, 3973..4123		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14986	Strand	-
Start	335	End	4123
Name	OJ990331_11.9923.C16.o1.gs	Method	GENSCAN
Start	364	End	888
GI	none	Score	.92
Exons	364..888		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14986	Strand	-
Start	335	End	4123
Name	OJ990331_11.9923.C16.o2.gs	Method	GENSCAN
Start	1759	End	4033
GI	none	Score	.88
Exons	1759..2193, 2199..2369, 2387..2536, 2653..3468, 3525..3731, 3977..4033		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14987	Strand	-
Start	19153	End	19391
Name	OJ990331_11.9923.C16.o2.gp	Method	AAT/GAP
Start	19153	End	19391
GI	none	Score	446
Exons	19153..19391		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14988	Strand	-
Start	20084	End	20751
Name	OJ990331_11.9923.C16.o6.gs	Method	GENSCAN
Start	20084	End	20751
GI	none	Score	.58
Exons	20084..20096, 20645..20751		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14989	Strand	-
Start	36129	End	36443
Name	OJ990331_11.9923.C16.o10.gp	Method	AAT/GAP
Start	36129	End	36443
GI	none	Score	618
Exons	36129..36443		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14990	Strand	-
Start	39331	End	44367
Name	OJ990331_11.9923.C16.o11.gp	Method	AAT/GAP
Start	38876	End	44367
GI	507 1.R1084	Score	2973
Exons	38876..39417, 40805..41029, 41115..41674, 44050..44367		
GI Descrip.	'1346764/sp P48489 PP1_ORYSA 1.0e-175 SERINE/THREONINE PROTEIN PHOSPHATASE PP1 >gi_951336_gb_AAA74625_ (U31773) protein phosphatase 1 [Oryza sativa]'		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14990	Strand	-
Start	39331	End	44367

Name	OJ990331_11.9923.C16.o9.gs	Method	GENSCAN
Start	39331	End	44273
GI	none	Score	.52
Exons	39331..39417, 41219..41266, 41427..41674, 42392..42473, 42620..42685, 44187..44273		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14990	Strand	-
Start	39331	End	44367
Name	OJ990331_11.9923.C16.o6.np	Method	AAT/NAP
Start	40844	End	44258
GI	1346764	Score	1410
Exons	40844..41029, 41115..41682, 44062..44258		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi 951336 gb AAA74625 (U31773) protein phosphatase 1 [Oryza sativa]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14991	Strand	-
Start	53206	End	53637
Name	OJ990331_11.9923.C16.o11.gs	Method	GENSCAN
Start	53206	End	53637
GI	none	Score	.91
Exons	53206..53329, 53612..53637		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o5.tw	Method	TBLASTX:Wheat
Start	297	End	2796
GI	none	Score	59
Exons	297..374, 472..516, 2405..2662, 2439..2678, 2645..2704, 2710..2742, 2749..2796		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o6.tw	Method	TBLASTX:Wheat
Start	517	End	744
GI	none	Score	124
Exons	517..744, 518..709		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o3.tc	Method	TBLASTX:Cress
Start	5442	End	6852
GI	none	Score	95
Exons	5442..5597, 5522..5596, 5609..5647, 5976..6137, 5978..6130, 6234..6347, 6266..6346, 6438..6512, 6439..6513, 6507..6614, 6508..6594, 6772..6852		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o3.ts	Method	TBLASTX:Soybean
Start	5514	End	6573
GI	none	Score	103

Exons 5514..5594, 5522..5596, 5609..5647, 5972..6130, 5973..6137,
6234..6347, 6234..6338, 6266..6346, 6438..6512, 6439..6513,
6507..6545, 6508..6573

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o6.tm Method TBLASTX:Maize
Start 5522 End 6269
GI none Score 113
Exons 5522..5647, 5523..5648, 5790..5948, 5795..5947, 5930..6136,
5949..6137, 6234..6269, 6234..6269

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o2.tw Method TBLASTX:Wheat
Start 6024 End 6602
GI none Score 116
Exons 6024..6137, 6068..6136, 6234..6347, 6234..6338, 6266..6346,
6438..6512, 6439..6513, 6511..6591, 6516..6602, 6520..6579

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o16.tm Method TBLASTX:Maize
Start 6460 End 6866
GI none Score 203
Exons 6460..6594, 6462..6611, 6631..6672, 6631..6678, 6772..6849,
6772..6843, 6774..6866

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o4.tm Method TBLASTX:Maize
Start 16993 End 18546
GI none Score 55
Exons 16993..17196, 17032..17058, 17081..17203, 17083..17196,
17090..17203, 17929..18000, 17931..17999, 18099..18341,
18101..18205, 18101..18343, 18102..18344, 18403..18546,
18420..18545

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o2.tc Method TBLASTX:Cress
Start 17086 End 19139
GI none Score 182
Exons 17086..17193, 17090..17203, 17090..17200, 17929..18000,
17934..17999, 18102..18359, 18143..18343, 18403..19101,
18420..18992, 19059..19139

Seq. No. 7092 Seq. ID OJ990331_11.9923.C16
Gene No. 14992 Strand -
Start 59645 End 62073
Name OJ990331_11.9923.C16.o2.ts Method TBLASTX:Soybean
Start 17086 End 18837

GI	none	Score	187
Exons	17086..17199, 17087..17203, 17929..18000, 17934..17999, 18099..18341, 18102..18359, 18140..18343, 18403..18837, 18420..18830, 18643..18837		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o3.tw	Method	TBLASTX:Wheat
Start	18132	End	18480
GI	none	Score	339
Exons	18132..18359, 18133..18201, 18140..18343, 18403..18480		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	18613	End	19098
GI	none	Score	771
Exons	18613..19098, 18615..18992, 19059..19097		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o4.ts	Method	TBLASTX:Soybean
Start	18837	End	19098
GI	none	Score	421
Exons	18837..18992, 18838..19098, 18976..19098		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o7.tm	Method	TBLASTX:Maize
Start	22797	End	23858
GI	none	Score	193
Exons	22797..23093, 22819..23094, 22827..23093, 23577..23858, 23587..23856		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o6.ts	Method	TBLASTX:Soybean
Start	22806	End	25404
GI	none	Score	341
Exons	22806..22901, 22807..23094, 22828..23052, 22929..23093, 23580..23870, 23585..23869, 23587..23871, 24434..24523, 24435..24782, 24446..24523, 24924..25097, 24925..25221, 25264..25404		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o7.tc	Method	TBLASTX:Cress
Start	23736	End	24755
GI	none	Score	177
Exons	23736..23876, 23737..23871, 24434..24610, 24435..24755, 24477..24614		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o12.tm	Method	TBLASTX:Maize
Start	24404	End	24701
GI	none	Score	265
Exons	24404..24694, 24432..24701, 24435..24701		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o18.tm	Method	TBLASTX:Maize
Start	24702	End	25044
GI	none	Score	86
Exons	24702..24785, 24922..25044, 24936..25043		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o5.tm	Method	TBLASTX:Maize
Start	25045	End	25435
GI	none	Score	571
Exons	25045..25419, 25045..25419, 25047..25427, 25268..25435		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o14.tm	Method	TBLASTX:Maize
Start	27002	End	30435
GI	none	Score	75
Exons	27002..27055, 27622..27720, 27624..27740, 27629..27730, 27811..27885, 27812..27889, 27830..27889, 27831..27905, 28027..28092, 28029..28094, 28030..28095, 28948..29043, 28950..29048, 28950..29042, 28952..29044, 29105..29227, 29133..29231, 29134..29232, 29134..29214, 29295..29402, 29296..29403, 29297..29401, 30040..30150, 30070..30150, 30072..30152, 30078..30152, 30206..30433, 30225..30434, 30226..30435		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o10.tm	Method	TBLASTX:Maize
Start	28668	End	28947
GI	none	Score	415
Exons	28668..28946, 28681..28947, 28681..28947		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o4.tc	Method	TBLASTX:Cress
Start	28945	End	30129
GI	none	Score	139
Exons	28945..29043, 28959..29042, 28989..29048, 29132..29227, 29132..29215, 29295..29348, 29318..29398, 29349..29399, 30073..30129		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o8.tm	Method	TBLASTX:Maize
Start	30436	End	31485
GI	none	Score	88
Exons	30436..30531, 30436..30522, 30533..30583, 30669..30725, 30672..30722, 30673..30726, 30726..30818, 30727..30768, 30728..30817, 30810..31040, 30819..31040, 30823..31047, 31291..31368, 31293..31469, 31293..31469, 31294..31485		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o17.tm	Method	TBLASTX:Maize
Start	31489	End	31913
GI	none	Score	95
Exons	31489..31560, 31490..31585, 31644..31730, 31650..31691, 31821..31913, 31822..31905		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o15.tm	Method	TBLASTX:Maize
Start	33290	End	34308
GI	none	Score	43
Exons	33290..33316, 33442..33483, 33481..33531, 33721..33828, 33745..33825, 33750..33827, 33753..33830, 33873..33965, 33910..33963, 34060..34149, 34070..34168, 34071..34148, 34072..34149, 34233..34307, 34234..34308		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o10.ts	Method	TBLASTX:Soybean
Start	35261	End	35555
GI	none	Score	117
Exons	35261..35371, 35445..35555, 35498..35554		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o9.tm	Method	TBLASTX:Maize
Start	35443	End	36218
GI	none	Score	171
Exons	35443..35583, 35445..35555, 35621..35821, 35647..35820, 35922..36035, 35923..36039, 35926..36036, 35955..36041, 36126..36200, 36127..36213, 36132..36218		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o9.ts	Method	TBLASTX:Soybean
Start	35671	End	36052
GI	none	Score	173
Exons	35671..35820, 35672..35821, 35923..36039, 35927..36052		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	39096	End	44436
GI	none	Score	59
Exons	39096..39149, 39097..39150, 39101..39154, 39101..39151, 39139..39198, 39160..39198, 39161..39208, 39162..39239, 39199..39240, 39199..39342, 39200..39364, 39305..39352, 39356..39418, 39357..39419, 40839..41030, 40840..41031, 40841..41032, 40843..41031, 41112..41675, 41113..41688, 41114..41674, 41115..41675, 41122..41676, 44067..44228, 44116..44217, 44127..44231, 44297..44326, 44398..44436		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	40839	End	44228
GI	none	Score	238
Exons	40839..41033, 40841..41032, 40870..41034, 40876..41034, 41112..41675, 41113..41709, 44067..44228, 44125..44217		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	40871	End	44211
GI	none	Score	198
Exons	40871..41032, 40878..41051, 40891..41034, 41112..41675, 41113..41676, 44067..44174, 44113..44211		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o4.tw	Method	TBLASTX:Wheat
Start	40873	End	41193
GI	none	Score	70
Exons	40873..40965, 40875..41030, 40880..41032, 40881..41030, 40999..41031, 41112..41189, 41122..41193		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	41242	End	41672
GI	none	Score	507
Exons	41242..41670, 41244..41672		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o11.tm	Method	TBLASTX:Maize
Start	55074	End	55984
GI	none	Score	66
Exons	55074..55139, 55077..55142, 55078..55143, 55341..55406,		

55343..55411, 55518..55637, 55542..55631, 55577..55636,
 55716..55847, 55729..55857, 55730..55864, 55730..55864,
 55939..55983, 55939..55983, 55940..55984, 55943..55984

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o5.ts	Method	TBLASTX:Soybean
Start	55551	End	56891
GI	none	Score	41
Exons	55551..55607, 55727..55852, 55729..55845, 55942..56031, 55965..56018, 56150..56269, 56151..56270, 56427..56648, 56428..56649, 56442..56654, 56841..56891		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o5.tc	Method	TBLASTX:Cress
Start	56160	End	56679
GI	none	Score	181
Exons	56160..56270, 56168..56269, 56427..56612, 56427..56660, 56428..56679		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o3.tm	Method	TBLASTX:Maize
Start	56437	End	57999
GI	none	Score	353
Exons	56437..56655, 56439..56654, 56441..56656, 56838..56891, 57197..57328, 57198..57329, 57411..57473, 57412..57474, 57413..57475, 57427..57477, 57561..57647, 57562..57669, 57564..57647, 57566..57670, 57721..57903, 57725..57904, 57726..57905, 57731..57910, 57741..57905, 57952..57999		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o8.tc	Method	TBLASTX:Cress
Start	57228	End	57823
GI	none	Score	77
Exons	57228..57314, 57411..57473, 57412..57474, 57554..57640, 57559..57633, 57721..57822, 57725..57823		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o8.ts	Method	TBLASTX:Soybean
Start	57415	End	57913
GI	none	Score	92
Exons	57415..57474, 57417..57473, 57562..57639, 57566..57736, 57725..57913, 57727..57897		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o6.tc	Method	TBLASTX:Cress

Start	59607	End	61551
GI	none	Score	164
Exons	59607..59798, 59651..59869, 59664..59870, 61402..61551		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o13.gs	Method	GENSCAN
Start	59645	End	61575
GI	none	Score	.93
Exons	59645..59886, 60422..60489, 60587..60657, 60744..60845, 61160..61306, 61399..61575		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o7.ts	Method	TBLASTX:Soybean
Start	59654	End	59902
GI	none	Score	201
Exons	59654..59902, 59658..59885		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o8.np	Method	AAT/NAP
Start	59654	End	62073
GI	4895195	Score	782
Exons	59654..59915, 60418..60489, 60587..60657, 60744..60845, 61160..61275, 61358..61575, 61981..62073		
GI Descrip.	(AC007661) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o19.tm	Method	TBLASTX:Maize
Start	59777	End	60646
GI	none	Score	187
Exons	59777..59884, 59778..59885, 59784..59897, 60419..60490, 60427..60492, 60431..60490, 60586..60645, 60587..60646, 60587..60646		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o13.tm	Method	TBLASTX:Maize
Start	60789	End	61477
GI	none	Score	78
Exons	60789..60848, 60791..60838, 61116..61229, 61154..61306, 61164..61298, 61396..61476, 61400..61477		

Seq. No.	7092	Seq. ID	OJ990331_11.9923.C16
Gene No.	14992	Strand	-
Start	59645	End	62073
Name	OJ990331_11.9923.C16.o11.ts	Method	TBLASTX:Soybean
Start	61450	End	62073
GI	none	Score	96

Exons 61450..61581, 61454..61561, 61975..62073, 61988..62071

Seq. No.	7093	Seq. ID	OJ990331_11.9923.C17
Gene No.	14993	Strand	-
Start	285	End	522
Name	OJ990331_11.9923.C17.o1.np	Method	AAT/NAP
Start	285	End	522
GI	4895195	Score	114
Exons	285..522		
GI Descrip.	(AC007661) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	7093	Seq. ID	OJ990331_11.9923.C17
Gene No.	14993	Strand	-
Start	285	End	522
Name	OJ990331_11.9923.C17.o1.gs	Method	GENSCAN
Start	289	End	498
GI	none	Score	.82
Exons	289..498		

Seq. No.	7094	Seq. ID	OJ990331_11.9923.C19
Gene No.	14994	Strand	-
Start	1	End	196
Name	OJ990331_11.9923.C19.o1.np	Method	AAT/NAP
Start	1	End	196
GI	1346764	Score	153
Exons	1..196		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi 951336 gb AAA74625 (U31773) protein phosphatase 1 [Oryza sativa]		

Seq. No.	7094	Seq. ID	OJ990331_11.9923.C19
Gene No.	14995	Strand	-
Start	98	End	211
Name	OJ990331_11.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	56	End	178
GI	none	Score	111
Exons	56..169, 57..119, 62..178		

Seq. No.	7094	Seq. ID	OJ990331_11.9923.C19
Gene No.	14995	Strand	-
Start	98	End	211
Name	OJ990331_11.9923.C19.o1.tw	Method	TBLASTX:Wheat
Start	59	End	178
GI	none	Score	97
Exons	59..169, 60..119, 68..178		

Seq. No.	7094	Seq. ID	OJ990331_11.9923.C19
Gene No.	14995	Strand	-
Start	98	End	211
Name	OJ990331_11.9923.C19.o1.gs	Method	GENSCAN
Start	98	End	211
GI	none	Score	.51
Exons	98..211		

Seq. No.	7095	Seq. ID	OJ990331_11.9923.C21
Gene No.	14996	Strand	-
Start	398	End	516

Name	OJ990331_11.9923.C21.o1.gs	Method	GENSCAN
Start	398	End	516
GI	none	Score	.58
Exons	398..516		

Seq. No.	7096	Seq. ID	OJ990331_11.9923.C23
Gene No.	14997	Strand	-
Start	1	End	556
Name	OJ990331_11.9923.C23.o1.np	Method	AAT/NAP
Start	1	End	385
GI	2213632	Score	332
Exons	1..385		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	7096	Seq. ID	OJ990331_11.9923.C23
Gene No.	14997	Strand	-
Start	1	End	556
Name	OJ990331_11.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	433
GI	none	Score	85
Exons	2..103, 15..86, 98..190, 104..433, 105..197		

Seq. No.	7096	Seq. ID	OJ990331_11.9923.C23
Gene No.	14997	Strand	-
Start	1	End	556
Name	OJ990331_11.9923.C23.o1.tw	Method	TBLASTX:Wheat
Start	2	End	271
GI	none	Score	71
Exons	2..100, 12..83, 89..271, 108..200		

Seq. No.	7096	Seq. ID	OJ990331_11.9923.C23
Gene No.	14997	Strand	-
Start	1	End	556
Name	OJ990331_11.9923.C23.o2.tw	Method	TBLASTX:Wheat
Start	275	End	556
GI	none	Score	89
Exons	275..556, 300..548		

Seq. No.	7097	Seq. ID	OJ990331_11.9923.C24
Gene No.	14998	Strand	+
Start	87	End	410
Name	OJ990331_11.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	47	End	209
GI	none	Score	199
Exons	47..208, 66..209, 66..209		

Seq. No.	7097	Seq. ID	OJ990331_11.9923.C24
Gene No.	14998	Strand	+
Start	87	End	410
Name	OJ990331_11.9923.C24.o1.gs	Method	GENSCAN
Start	87	End	410
GI	none	Score	.67
Exons	87..410		

Seq. No.	7098	Seq. ID	OJ990331_11.9923.C25
Gene No.	14999	Strand	+
Start	26	End	109

Name	OJ990331_11.9923.C25.o1.gs	Method	GENSCAN
Start	26	End	109
GI	none	Score	.97
Exons	26..109		

Seq. No.	7099	Seq. ID	OJ990331_11.9923.C28
Gene No.	15000	Strand	+
Start	1	End	163
Name	OJ990331_11.9923.C28.o1.np	Method	AAT/NAP
Start	1	End	163
GI	4127370	Score	184
Exons	1..163		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	7099	Seq. ID	OJ990331_11.9923.C28
Gene No.	15000	Strand	+
Start	1	End	163
Name	OJ990331_11.9923.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	162
GI	none	Score	166
Exons	1..162, 1..150, 2..151, 3..158		

Seq. No.	7099	Seq. ID	OJ990331_11.9923.C28
Gene No.	15000	Strand	+
Start	1	End	163
Name	OJ990331_11.9923.C28.o1.tw	Method	TBLASTX:Wheat
Start	1	End	155
GI	none	Score	170
Exons	1..150, 3..155		

Seq. No.	7100	Seq. ID	OJ990331_11.9923.C29
Gene No.	15001	Strand	+
Start	47	End	104
Name	OJ990331_11.9923.C29.o1.gs	Method	GENSCAN
Start	47	End	104
GI	none	Score	.94
Exons	47..104		

Seq. No.	7101	Seq. ID	OJ990331_11.9923.C30
Gene No.	15002	Strand	+
Start	129	End	324
Name	OJ990331_11.9923.C30.o1.gs	Method	GENSCAN
Start	129	End	324
GI	none	Score	.78
Exons	129..324		

Seq. No.	7102	Seq. ID	OJ990331_12.9922.C2
Gene No.	15003	Strand	+
Start	976	End	1138
Name	OJ990331_12.9922.C2.o1.gs	Method	GENSCAN
Start	976	End	1138
GI	none	Score	.49
Exons	976..1005, 1016..1138		

Seq. No.	7103	Seq. ID	OJ990331_12.9922.C3
Gene No.	15004	Strand	-
Start	2174	End	6171

Name	OJ990331_12.9922.C3.o1.np	Method	AAT/NAP
Start	2174	End	6171
GI	5091513	Score	1125
Exons	2174..2397, 2549..2673, 3435..3504, 3585..3880, 3962..4598, 5286..5780, 5989..6171		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	7103	Seq. ID	OJ990331_12.9922.C3
Gene No.	15004	Strand	-
Start	2174	End	6171
Name	OJ990331_12.9922.C3.o2.gs	Method	GENSCAN
Start	5412	End	5998
GI	none	Score	.73
Exons	5412..5621, 5627..5998		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15005	Strand	+
Start	336	End	710
Name	OJ990331_12.9922.C4.o1.gs	Method	GENSCAN
Start	336	End	710
GI	none	Score	.44
Exons	336..710		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15006	Strand	+
Start	1024	End	11353
Name	OJ990331_12.9922.C4.o2.gs	Method	GENSCAN
Start	1024	End	11353
GI	none	Score	.75
Exons	1024..1318, 2733..3433, 3624..3845, 3928..4753, 4839..4976, 5405..5800, 5834..5972, 6058..6184, 7492..7563, 7894..7992, 8350..8430, 8532..8582, 8668..8749, 9144..9238, 10142..10213, 10310..10426, 10579..10647, 10910..10976, 11112..11353		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15006	Strand	+
Start	1024	End	11353
Name	OJ990331_12.9922.C4.o1.np	Method	AAT/NAP
Start	2759	End	5979
GI	4559347	Score	1552
Exons	2759..3437, 3628..3845, 3928..4447, 4598..4686, 5091..5238, 5417..5979		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15006	Strand	+
Start	1024	End	11353
Name	OJ990331_12.9922.C4.o1.gp	Method	AAT/GAP
Start	5693	End	7589
GI	uC-osflcyp013d06b1	Score	901
Exons	5693..5972, 6058..6184, 7492..7589		
GI Descrip.	'4559347/gb AAD23008.1 AC006585_3 4.0e-10 (AC006585) putative extensin [Arabidopsis thaliana]'		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15007	Strand	+
Start	11397	End	12026

Name	OJ990331_12.9922.C4.o2.gp	Method	AAT/GAP
Start	11397	End	12026
GI	none	Score	940
Exons	11397..11527, 11678..12026		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15008	Strand	+
Start	12873	End	14170
Name	OJ990331_12.9922.C4.o3.gs	Method	GENSCAN
Start	12873	End	14170
GI	none	Score	.75
Exons	12873..13061, 13976..14170		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15009	Strand	-
Start	15453	End	15883
Name	OJ990331_12.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	7857	End	10426
GI	none	Score	82
Exons	7857..7988, 7879..7992, 7936..7992, 8094..8138, 8099..8137, 8347..8433, 8347..8439, 8528..8572, 8529..8585, 8643..8750, 8659..8751, 9143..9241, 9143..9241, 10307..10426, 10312..10422		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15009	Strand	-
Start	15453	End	15883
Name	OJ990331_12.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	7887	End	9229
GI	none	Score	79
Exons	7887..7991, 7936..7992, 8093..8137, 8094..8138, 8343..8444, 8347..8439, 8529..8585, 8659..8754, 8676..8750, 9143..9229		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15009	Strand	-
Start	15453	End	15883
Name	OJ990331_12.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	10124	End	10972
GI	none	Score	85
Exons	10124..10216, 10307..10429, 10315..10428, 10572..10646, 10582..10647, 10910..10972		

Seq. No.	7104	Seq. ID	OJ990331_12.9922.C4
Gene No.	15009	Strand	-
Start	15453	End	15883
Name	OJ990331_12.9922.C4.o4.gs	Method	GENSCAN
Start	15453	End	15883
GI	none	Score	.87
Exons	15453..15584, 15799..15883		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	6618
GI	6686396	Score	1368
Exons	1..128, 4522..4783, 4994..5128, 5304..6618		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o1.gs	Method	GENSCAN
Start	74	End	6627
GI	none	Score	.83
Exons	74..158, 4522..4783, 4994..5128, 5304..6627		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o1.gp	Method	AAT/GAP
Start	3514	End	3859
GI	2309883	Score	514
Exons	3514..3859		
GI Descrip.	2149018/gb U70541 OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o2.np	Method	AAT/NAP
Start	5911	End	9395
GI	6006365	Score	179
Exons	5911..5963, 6077..6188, 7780..7830, 7873..8298, 9305..9395		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o2.gs	Method	GENSCAN
Start	6862	End	11667
GI	none	Score	.75
Exons	6862..6867, 7707..7866, 8155..8367, 9381..9497, 9523..9564, 10844..10980, 11057..11276, 11510..11667		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15010	Strand	+
Start	1	End	13389
Name	OJ990331_12.9922.C5.o3.np	Method	AAT/NAP
Start	10000	End	13389
GI	6815053	Score	567
Exons	10000..10196, 12975..13103, 13153..13389		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15011	Strand	+
Start	16601	End	29013
Name	OJ990331_12.9922.C5.o4.np	Method	AAT/NAP
Start	16148	End	16919
GI	2213632	Score	686
Exons	16148..16919		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
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Gene No.	15011	Strand	+
Start	16601	End	29013
Name	OJ990331_12.9922.C5.o4.gs	Method	GENSCAN
Start	16601	End	29013
GI	none	Score	.87
Exons	16601..17061, 18415..18551, 21827..22690, 22947..23030, 23124..23192, 23323..23388, 23481..23555, 23653..23755, 24043..24205, 24341..24410, 24743..24808, 27988..28110, 28522..28778, 29005..29013		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	4786
GI	none	Score	112
Exons	1..129, 2..130, 4520..4552, 4521..4592, 4581..4784, 4598..4786		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	1	End	5096
GI	none	Score	116
Exons	1..129, 2..130, 4520..4786, 4521..4784, 4986..5096		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	2	End	5562
GI	none	Score	114
Exons	2..130, 4580..4780, 4581..4781, 4998..5069, 5055..5123, 5284..5562, 5310..5468		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	5302	End	5511
GI	none	Score	254
Exons	5302..5511, 5310..5468		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o3.tc	Method	TBLASTX:Cress
Start	5371	End	5607
GI	none	Score	189
Exons	5371..5607		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15012	Strand	-
Start	12664	End	15249
Name	OJ990331_12.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	5512	End	6549
GI	none	Score	70

Exons 5512..5586, 5601..5783, 5605..5700, 5656..6123, 5782..5919,
5971..6132, 6003..6131, 6118..6273, 6168..6431, 6334..6435,
6355..6432, 6433..6549

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o1.ts Method TBLASTX:Soybean
Start 5659 End 6609
GI none Score 77
Exons 5659..5715, 5838..5903, 5839..6135, 5985..6128, 6229..6270,
6334..6435, 6439..6609

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o2.tc Method TBLASTX:Cress
Start 5839 End 6570
GI none Score 90
Exons 5839..5919, 5971..6141, 5985..6119, 6334..6435, 6472..6570

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o2.tw Method TBLASTX:Wheat
Start 6334 End 6615
GI none Score 62
Exons 6334..6435, 6433..6615

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o3.ts Method TBLASTX:Soybean
Start 11681 End 11938
GI none Score 41
Exons 11681..11710, 11717..11938, 11755..11934

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o3.tm Method TBLASTX:Maize
Start 11726 End 11955
GI none Score 314
Exons 11726..11953, 11734..11949, 11751..11951, 11806..11955

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15012 Strand -
Start 12664 End 15249
Name OJ990331_12.9922.C5.o3.gs Method GENSCAN
Start 12664 End 15249
GI none Score .51
Exons 12664..12833, 12944..13082, 14225..14258, 14815..14848,
14939..15130, 15183..15249

Seq. No. 7105 Seq. ID OJ990331_12.9922.C5
Gene No. 15013 Strand -
Start 16139 End 16870

Name	OJ990331_12.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	16139	End	16531
GI	none	Score	334
Exons	16139..16429, 16144..16428, 16341..16445, 16343..16435, 16451..16531		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15013	Strand	
Start	16139	End	16870
Name	OJ990331_12.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	16262	End	16669
GI	none	Score	207
Exons	16262..16426, 16270..16419, 16448..16669, 16450..16521		

Seq. No.	7105	Seq. ID	OJ990331_12.9922.C5
Gene No.	15013	Strand	
Start	16139	End	16870
Name	OJ990331_12.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	16532	End	16870
GI	none	Score	203
Exons	16532..16765, 16627..16671, 16729..16764, 16802..16870, 16829..16870		

Seq. No.	7106	Seq. ID	OJ990331_12.9922.C6
Gene No.	15014	Strand	-
Start	1836	End	4473
Name	OJ990331_12.9922.C6.o1.gs	Method	GENSCAN
Start	1836	End	4473
GI	none	Score	.69
Exons	1836..1855, 2250..2417, 2456..2599, 2616..2858, 3527..3678, 3956..3990, 4087..4193, 4410..4473		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o1.gs	Method	GENSCAN
Start	1251	End	5541
GI	none	Score	.76
Exons	1251..1922, 2335..2418, 2758..5022, 5110..5541		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o1.np	Method	AAT/NAP
Start	2290	End	6055
GI	4680179	Score	4492
Exons	2290..3348, 3376..6055		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o8.tw	Method	TBLASTX:Wheat
Start	2499	End	2697
GI	none	Score	198
Exons	2499..2696, 2500..2697		

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o5.tm
 Start 2749
 GI none
 Exons 2749..3087, 2749..2958

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Maize
 End 3087
 Score 237

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o6.tw
 Start 2749
 GI none
 Exons 2749..3099

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Wheat
 End 3099
 Score 299

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o7.tw
 Start 3433
 GI none
 Exons 3433..3786

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Wheat
 End 3786
 Score 255

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o6.tm
 Start 3790
 GI none
 Exons 3790..3981, 3828..3983

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Maize
 End 3983
 Score 180

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o3.tw
 Start 3918
 GI none
 Exons 3918..4358, 3919..4401, 4030..4398

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Wheat
 End 4401
 Score 524

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o4.ts
 Start 3955
 GI none
 Exons 3955..4269

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Soybean
 End 4269
 Score 199

Seq. No. 7107
 Gene No. 15015
 Start 1251
 Name OJ990331_12.9922.C7.o3.tm
 Start 3984
 GI none
 Exons 3984..4226, 3988..4431

Seq. ID OJ990331_12.9922.C7
 Strand +
 End 6055
 Method TBLASTX:Maize
 End 4431
 Score 382

Seq. No. 7107

Seq. ID OJ990331_12.9922.C7

Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	4342	End	4737
GI	none	Score	57
Exons	4342..4374, 4342..4374, 4378..4431, 4380..4421, 4477..4707, 4486..4737, 4497..4727		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o5.tw	Method	TBLASTX:Wheat
Start	4488	End	4752
GI	none	Score	356
Exons	4488..4751, 4489..4752		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	4639	End	5064
GI	none	Score	452
Exons	4639..5064, 4686..5051, 4867..5064		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	4753	End	5178
GI	none	Score	585
Exons	4753..5178, 4755..5171, 4828..5178		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	4759	End	5007
GI	none	Score	208
Exons	4759..5007, 4785..4904, 4944..4988		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	5206	End	5745
GI	none	Score	594
Exons	5206..5745, 5388..5741, 5464..5745		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	5362	End	5709
GI	none	Score	255
Exons	5362..5694, 5389..5709, 5508..5708		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
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Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	5544	End	5793
GI	none	Score	275
Exons	5544..5792, 5545..5793		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	5710	End	6027
GI	none	Score	445
Exons	5710..6027, 5712..6023		

Seq. No.	7107	Seq. ID	OJ990331_12.9922.C7
Gene No.	15015	Strand	+
Start	1251	End	6055
Name	OJ990331_12.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	5752	End	6055
GI	none	Score	387
Exons	5752..6054, 5752..5856, 5757..6047, 5885..6055, 5938..6054		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15016	Strand	+
Start	1	End	3273
Name	OJ990331_12.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	950
GI	4680179	Score	1429
Exons	1..950		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15016	Strand	+
Start	1	End	3273
Name	OJ990331_12.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	3273
GI	6063554	Score	145
Exons	1..125, 1296..1545, 1724..1980, 3098..3273		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15016	Strand	+
Start	1	End	3273
Name	OJ990331_12.9922.C8.o1.gs	Method	GENSCAN
Start	118	End	953
GI	none	Score	.76
Exons	118..627, 735..953		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15017	Strand	-
Start	1220	End	3454
Name	OJ990331_12.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	572
GI	none	Score	573

Exons 1..501, 3..452, 145..501, 495..572, 497..571

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15017	Strand	-
Start	1220	End	3454
Name	OJ990331_12.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	126
GI	none	Score	180
Exons	1..126, 3..113		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15017	Strand	-
Start	1220	End	3454
Name	OJ990331_12.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	126	End	710
GI	none	Score	229
Exons	126..281, 127..288, 285..446, 286..504, 492..710, 494..709		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15017	Strand	-
Start	1220	End	3454
Name	OJ990331_12.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	572	End	905
GI	none	Score	298
Exons	572..853, 573..905, 723..854		

Seq. No.	7108	Seq. ID	OJ990331_12.9922.C8
Gene No.	15017	Strand	-
Start	1220	End	3454
Name	OJ990331_12.9922.C8.o2.gs	Method	GENSCAN
Start	1220	End	3454
GI	none	Score	.73
Exons	1220..1634, 1717..1848, 1857..2200, 3339..3454		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o1.gs	Method	GENSCAN
Start	51	End	8410
GI	none	Score	.61
Exons	51..83, 153..884, 940..1648, 1718..2277, 2480..2662, 3755..3977, 4060..4319, 4396..4509, 8269..8410		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	432	End	770
GI	none	Score	199
Exons	432..770		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	1180	End	1545
GI	none	Score	144

Exons 1180..1404, 1411..1545

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o2.np	Method	AAT/NAP
Start	1195	End	5326
GI	5902445	Score	784
Exons	1195..2648, 5196..5326		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	1342	End	1747
GI	none	Score	86
Exons	1342..1398, 1347..1388, 1393..1746, 1394..1747, 1401..1745		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	1396	End	1614
GI	none	Score	284
Exons	1396..1614, 1396..1596, 1401..1613		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	1615	End	2076
GI	none	Score	537
Exons	1615..2076, 1615..1896, 1617..2075		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	1750	End	2145
GI	none	Score	190
Exons	1750..2082, 1764..2078, 2041..2145		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	1762	End	2247
GI	none	Score	213
Exons	1762..2040, 1800..2024, 2041..2247, 2091..2201		

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o3.np	Method	AAT/NAP
Start	1810	End	8467
GI	4680180	Score	383

Exons 1810..2662, 8364..8467
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	7109	Seq. ID	OJ990331_12.9922.C10
Gene No.	15018	Strand	+
Start	51	End	8467
Name	OJ990331_12.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	2384	End	2659
GI	none	Score	142
Exons	2384..2521, 2386..2535, 2542..2625, 2543..2659		

Seq. No.	7110	Seq. ID	OJ990331_12.9922.C11
Gene No.	15019	Strand	+
Start	1	End	1273
Name	OJ990331_12.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	811
GI	4680183	Score	139
Exons	1..115, 720..811		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7110	Seq. ID	OJ990331_12.9922.C11
Gene No.	15019	Strand	+
Start	1	End	1273
Name	OJ990331_12.9922.C11.o1.gs	Method	GENSCAN
Start	46	End	1273
GI	none	Score	.79
Exons	46..115, 609..708, 1192..1273		

Seq. No.	7111	Seq. ID	OJ990331_12.9922.C12
Gene No.	15020	Strand	+
Start	1	End	1271
Name	OJ990331_12.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	5295955	Score	411
Exons	1..174, 229..529, 609..666, 706..1271		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	7111	Seq. ID	OJ990331_12.9922.C12
Gene No.	15020	Strand	+
Start	1	End	1271
Name	OJ990331_12.9922.C12.o1.gs	Method	GENSCAN
Start	69	End	867
GI	none	Score	.48
Exons	69..372, 646..867		

Seq. No.	7111	Seq. ID	OJ990331_12.9922.C12
Gene No.	15021	Strand	-
Start	1482	End	2033
Name	OJ990331_12.9922.C12.o2.gs	Method	GENSCAN
Start	1482	End	2033
GI	none	Score	.98
Exons	1482..2033		

Seq. No.	7112	Seq. ID	OJ990331_12.9922.C14
Gene No.	15022	Strand	-
Start	1	End	842

Name	OJ990331_12.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	818
GI	5852179	Score	197
Exons	1..88, 307..523, 598..818		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	7112	Seq. ID	OJ990331_12.9922.C14
Gene No.	15022	Strand	-
Start	1	End	842
Name	OJ990331_12.9922.C14.o1.gs	Method	GENSCAN
Start	124	End	842
GI	none	Score	.86
Exons	124..266, 346..465, 474..842		

Seq. No.	7113	Seq. ID	OJ990331_12.9922.C15
Gene No.	15023	Strand	+
Start	336	End	389
Name	OJ990331_12.9922.C15.o1.gs	Method	GENSCAN
Start	336	End	389
GI	none	Score	.88
Exons	336..389		

Seq. No.	7114	Seq. ID	OJ990331_12.9922.C16
Gene No.	15024	Strand	-
Start	188	End	435
Name	OJ990331_12.9922.C16.o1.gs	Method	GENSCAN
Start	188	End	331
GI	none	Score	.96
Exons	188..331		

Seq. No.	7114	Seq. ID	OJ990331_12.9922.C16
Gene No.	15024	Strand	-
Start	188	End	435
Name	OJ990331_12.9922.C16.o1.np	Method	AAT/NAP
Start	189	End	435
GI	3599670	Score	93
Exons	189..435		
GI Descrip.	(AB009080) TRFA [Dictyostelium discoideum]		

Seq. No.	7115	Seq. ID	OJ990331_12.9922.C19
Gene No.	15025	Strand	+
Start	795	End	965
Name	OJ990331_12.9922.C19.o1.gp	Method	AAT/GAP
Start	795	End	965
GI	2315_5.R1084	Score	193
Exons	795..965		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7115	Seq. ID	OJ990331_12.9922.C19
Gene No.	15026	Strand	-
Start	12	End	407
Name	OJ990331_12.9922.C19.o1.gs	Method	GENSCAN
Start	12	End	407
GI	none	Score	.88
Exons	12..407		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	1419
GI	6742729	Score	2206
Exons	1..1419		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.gp	Method	AAT/GAP
Start	39	End	2738
GI	342_1.R1084	Score	4398
Exons	39..2062, 2181..2285, 2395..2738		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o4.gp	Method	AAT/GAP
Start	39	End	2910
GI	342_1.R1084	Score	4703
Exons	39..2062, 2181..2285, 2395..2910		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o2.gp	Method	AAT/GAP
Start	39	End	2732
GI	342_1.R1084	Score	4386
Exons	39..2062, 2181..2285, 2395..2732		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.gs	Method	GENSCAN
Start	65	End	1978
GI	none	Score	1
Exons	65..1978		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o2.tw	Method	TBLASTX:Wheat
Start	175	End	585
GI	none	Score	87
Exons	175..225, 176..238, 244..426, 248..466, 494..583, 499..585, 500..583		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
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Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	586	End	1903
GI	none	Score	924
Exons	586..1488, 587..1504, 1172..1489, 1499..1543, 1503..1538, 1546..1641, 1550..1609, 1588..1728, 1589..1729, 1657..1737, 1742..1822, 1811..1903, 1837..1902		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	629	End	943
GI	none	Score	317
Exons	629..943, 640..915, 713..943		

Seq. No.	7116	Seq. ID	OJ990331_12.9922.C20
Gene No.	15027	Strand	+
Start	1	End	2910
Name	OJ990331_12.9922.C20.o1.tc	Method	TBLASTX:Cress
Start	870	End	1321
GI	none	Score	175
Exons	870..1052, 874..1311, 874..1317, 878..1321, 1172..1321		

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15028	Strand	+
Start	688	End	4399
Name	OJ990331_12.9922.C21.o1.np	Method	AAT/NAP
Start	688	End	4381
GI	4680204	Score	1039
Exons	688..2123, 2198..3294, 3404..3577, 3674..3893, 4244..4381		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15028	Strand	+
Start	688	End	4399
Name	OJ990331_12.9922.C21.o1.gs	Method	GENSCAN
Start	703	End	3298
GI	none	Score	.66
Exons	703..1081, 1201..2123, 2198..2339, 2465..2607, 2609..3298		

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15028	Strand	+
Start	688	End	4399
Name	OJ990331_12.9922.C21.o2.gs	Method	GENSCAN
Start	3405	End	4399
GI	none	Score	.98
Exons	3405..3577, 3674..3784, 3869..3941, 4036..4134, 4214..4399		

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15029	Strand	+
Start	4719	End	4861
Name	OJ990331_12.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	1330	End	1733
GI	none	Score	62
Exons	1330..1470, 1330..1440, 1332..1568, 1332..1481, 1433..1600,		

1563..1733

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15029	Strand	+
Start	4719	End	4861
Name	OJ990331_12.9922.C21.o2.tw	Method	TBLASTX:Wheat
Start	3221	End	3743
GI	none	Score	60
Exons	3221..3301, 3390..3572, 3440..3565, 3672..3743		

Seq. No.	7117	Seq. ID	OJ990331_12.9922.C21
Gene No.	15029	Strand	+
Start	4719	End	4861
Name	OJ990331_12.9922.C21.o1.gp	Method	AAT/GAP
Start	4719	End	4861
GI	21474_1.R1084	Score	243
Exons	4719..4861		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7118	Seq. ID	OJ990331_12.9922.C22
Gene No.	15030	Strand	+
Start	107	End	355
Name	OJ990331_12.9922.C22.o1.gp	Method	AAT/GAP
Start	107	End	355
GI	101153_1.R1084	Score	387
Exons	107..355		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7119	Seq. ID	OJ990331_12.9922.C23
Gene No.	15031	Strand	-
Start	28	End	834
Name	OJ990331_12.9922.C23.o1.gs	Method	GENSCAN
Start	28	End	388
GI	none	Score	.68
Exons	28..388		

Seq. No.	7119	Seq. ID	OJ990331_12.9922.C23
Gene No.	15031	Strand	-
Start	28	End	834
Name	OJ990331_12.9922.C23.o1.np	Method	AAT/NAP
Start	59	End	388
GI	5852182	Score	426
Exons	59..388		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7119	Seq. ID	OJ990331_12.9922.C23
Gene No.	15031	Strand	-
Start	28	End	834
Name	OJ990331_12.9922.C23.o1.gp	Method	AAT/GAP
Start	247	End	834
GI	2310235	Score	307
Exons	247..388, 797..834		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7120	Seq. ID	OJ990331_12.9922.C24
Gene No.	15032	Strand	+
Start	620	End	5416
Name	OJ990331_12.9922.C24.o1.gs	Method	GENSCAN
Start	620	End	5416
GI	none	Score	.73
Exons	620..682, 765..969, 1451..1576, 1646..2211, 2315..2467, 2576..2656, 3217..3479, 4019..4161, 5295..5416		

Seq. No.	7120	Seq. ID	OJ990331_12.9922.C24
Gene No.	15032	Strand	+
Start	620	End	5416
Name	OJ990331_12.9922.C24.o1.np	Method	AAT/NAP
Start	1501	End	3802
GI	2244752	Score	88
Exons	1501..1639, 3773..3802		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7120	Seq. ID	OJ990331_12.9922.C24
Gene No.	15033	Strand	-
Start	6175	End	7237
Name	OJ990331_12.9922.C24.o2.gs	Method	GENSCAN
Start	6175	End	6614
GI	none	Score	.83
Exons	6175..6329, 6576..6614		

Seq. No.	7120	Seq. ID	OJ990331_12.9922.C24
Gene No.	15033	Strand	-
Start	6175	End	7237
Name	OJ990331_12.9922.C24.o2.np	Method	AAT/NAP
Start	6184	End	7237
GI	6069646	Score	83
Exons	6184..6365, 7192..7237		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	1671	End	2351
GI	none	Score	45
Exons	1671..1703, 1719..1925, 1737..2351, 1765..1932, 1963..2157, 2221..2349		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o1.np	Method	AAT/NAP
Start	1704	End	6113
GI	2586082	Score	4354
Exons	1704..3445, 3533..6113		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o3.tc	Method	TBLASTX:Cress
Start	1737	End	2372
GI	none	Score	67
Exons	1737..1922, 1921..2079, 1950..2078, 2088..2153, 2193..2372		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o6.tw	Method	TBLASTX:Wheat
Start	1752	End	2108
GI	none	Score	58
Exons	1752..1934, 1753..1923, 1953..2108, 1957..2058		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	1761	End	2184
GI	none	Score	104
Exons	1761..2048, 1771..1947, 1833..2006, 1987..2049, 2050..2184, 2055..2183		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	2115	End	2552
GI	none	Score	252
Exons	2115..2552, 2116..2547		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o5.tm	Method	TBLASTX:Maize
Start	2187	End	2420
GI	none	Score	61
Exons	2187..2420, 2223..2375, 2224..2418		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o4.tc	Method	TBLASTX:Cress
Start	2382	End	2666
GI	none	Score	202
Exons	2382..2666		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o2.tm	Method	TBLASTX:Maize
Start	2487	End	2934
GI	none	Score	134
Exons	2487..2933, 2677..2934		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o3.tw	Method	TBLASTX:Wheat
Start	2553	End	3068
GI	none	Score	52
Exons	2553..2729, 2721..3065, 2757..2906, 2842..2913, 2938..3048, 2991..3068		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o2.ts	Method	TBLASTX:Soybean
Start	2736	End	3257
GI	5509260	Score	109
Exons	2736..3233, 2743..2907, 2757..2918, 2956..3096, 3135..3257		
GI Descrip.	-		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o2.tc	Method	TBLASTX:Cress
Start	2847	End	3120
GI	none	Score	114
Exons	2847..3119, 2848..3120		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o7.tm	Method	TBLASTX:Maize
Start	2937	End	3195
GI	none	Score	98
Exons	2937..3194, 2953..3195		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o1.tc	Method	TBLASTX:Cress
Start	3906	End	4352
GI	none	Score	70
Exons	3906..4352, 4192..4341		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o4.tm	Method	TBLASTX:Maize
Start	3921	End	4247
GI	none	Score	87
Exons	3921..4247, 3928..4047, 4069..4101		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o3.ts	Method	TBLASTX:Soybean
Start	3924	End	4355
GI	none	Score	59
Exons	3924..4355, 4162..4305		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o4.tw	Method	TBLASTX:Wheat
Start	3939	End	4544
GI	none	Score	153
Exons	3939..4046, 4083..4148, 4146..4349, 4371..4544		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o4.ts	Method	TBLASTX:Soybean
Start	4362	End	4763
GI	none	Score	66
Exons	4362..4532, 4557..4664, 4689..4763		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o2.tw	Method	TBLASTX:Wheat
Start	4853	End	5238
GI	none	Score	52
Exons	4853..4933, 4854..5237, 4870..4995, 5053..5238		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o6.tm	Method	TBLASTX:Maize
Start	5061	End	5582
GI	none	Score	92
Exons	5061..5201, 5190..5297, 5463..5582		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o5.tw	Method	TBLASTX:Wheat
Start	5451	End	5768
GI	none	Score	95
Exons	5451..5768, 5560..5742, 5619..5768		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o5.tc	Method	TBLASTX:Cress
Start	5508	End	6053
GI	none	Score	62
Exons	5508..5894, 5958..6053		

Seq. No.	7121	Seq. ID	OJ990331_12.9922.C25
Gene No.	15034	Strand	-
Start	1704	End	6113
Name	OJ990331_12.9922.C25.o3.tm	Method	TBLASTX:Maize
Start	5583	End	6017
GI	none	Score	217
Exons	5583..5891, 5584..5892, 5958..6017		

Seq. No. 7122
 Gene No. 15035
 Start 99
 Name OJ990331_12.9922.C26.ol.gs
 Start 99
 GI none
 Exons 99..241

Seq. ID OJ990331_12.9922.C26
 Strand -
 End 241
 Method GENSCAN
 End 241
 Score .68

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.gp
 Start 1
 GI 342_1.R1084
 Exons 1..681

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method AAT/GAP
 End 681
 Score 1233

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.np
 Start 1
 GI 4680203
 Exons 1..681

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method AAT/NAP
 End 681
 Score 981

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.tw
 Start 12
 GI none
 Exons 12..347, 12..353, 40..354, 85..354, 164..355

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method TBLASTX:Wheat
 End 355
 Score 260

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.gs
 Start 44
 GI none
 Exons 44..395

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method GENSCAN
 End 395
 Score .6

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.tm
 Start 94
 GI none
 Exons 94..354, 96..377, 393..482

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method TBLASTX:Maize
 End 482
 Score 147

Seq. No. 7123
 Gene No. 15036
 Start 1
 Name OJ990331_12.9922.C27.ol.tc
 Start 141
 GI none

Seq. ID OJ990331_12.9922.C27
 Strand -
 End 681
 Method TBLASTX:Cress
 End 489
 Score 88

Exons 141..482, 160..297, 337..489

Seq. No.	7123	Seq. ID	OJ990331_12.9922.C27
Gene No.	15036	Strand	-
Start	1	End	681
Name	OJ990331_12.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	222	End	651
GI	none	Score	115
Exons	222..518, 240..464, 513..575, 568..651, 576..650		

Seq. No.	7123	Seq. ID	OJ990331_12.9922.C27
Gene No.	15036	Strand	-
Start	1	End	681
Name	OJ990331_12.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	363	End	677
GI	none	Score	45
Exons	363..482, 424..486, 507..578, 508..555, 564..677		

Seq. No.	7124	Seq. ID	OJ990331_12.9922.C28
Gene No.	15037	Strand	+
Start	79	End	183
Name	OJ990331_12.9922.C28.o1.gs	Method	GENSCAN
Start	79	End	183
GI	none	Score	.49
Exons	79..183		

Seq. No.	7125	Seq. ID	OJ990331_12.9922.C29
Gene No.	15038	Strand	+
Start	19	End	576
Name	OJ990331_12.9922.C29.o1.gs	Method	GENSCAN
Start	19	End	576
GI	none	Score	1
Exons	19..576		

Seq. No.	7126	Seq. ID	OJ990331_12.9922.C31
Gene No.	15039	Strand	+
Start	284	End	1052
Name	OJ990331_12.9922.C31.o1.gs	Method	GENSCAN
Start	284	End	810
GI	none	Score	.64
Exons	284..810		

Seq. No.	7126	Seq. ID	OJ990331_12.9922.C31
Gene No.	15039	Strand	+
Start	284	End	1052
Name	OJ990331_12.9922.C31.o1.np	Method	AAT/NAP
Start	297	End	1052
GI	5733874	Score	187
Exons	297..772, 920..1052		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	7126	Seq. ID	OJ990331_12.9922.C31
Gene No.	15039	Strand	+
Start	284	End	1052
Name	OJ990331_12.9922.C31.o1.tm	Method	TBLASTX:Maize
Start	454	End	759
GI	none	Score	221

Exons 454..759, 471..758

Seq. No. 7126
Gene No. 15039
Start 284
Name OJ990331_12.9922.C31.o1.ts
Start 570
GI none
Exons 570..758, 571..759

Seq. ID OJ990331_12.9922.C31
Strand +
End 1052
Method TBLASTX:Soybean
End 759
Score 185

Seq. No. 7127
Gene No. 15040
Start 203
Name OJ990331_12.9922.C34.o1.gs
Start 203
GI none
Exons 203..372

Seq. ID OJ990331_12.9922.C34
Strand -
End 372
Method GENSCAN
End 372
Score .78

Seq. No. 7128
Gene No. 15041
Start 47
Name OJ990331_12.9922.C35.o1.gs
Start 47
GI none
Exons 47..142

Seq. ID OJ990331_12.9922.C35
Strand +
End 142
Method GENSCAN
End 142
Score .74

Seq. No. 7129
Gene No. 15042
Start 439
Name OJ990331_12.9922.C37.o1.gs
Start 439
GI none
Exons 439..523

Seq. ID OJ990331_12.9922.C37
Strand +
End 523
Method GENSCAN
End 523
Score .45

Seq. No. 7130
Gene No. 15043
Start 1
Name OJ990331_12.9922.C38.o1.np
Start 1
GI 2586082
Exons 1..390

Seq. ID OJ990331_12.9922.C38
Strand -
End 390
Method AAT/NAP
End 390
Score 233

GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No. 7131
Gene No. 15044
Start 1137
Name OJ990331_12.9922.C39.o1.np
Start 1137
GI 131268
Exons 1137..1638

Seq. ID OJ990331_12.9922.C39
Strand +
End 1644
Method AAT/NAP
End 1638
Score 771

GI Descrip. PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN)
gi|72706|pir||QJZMBB photosystem II chlorophyll a-binding
protein psbB - maize chloroplast gi|12435|emb|CAA28997| (X05422)
psbB [Zea mays] gi|902247|emb|CAA60311| (X86563) PSII 47KDa
protein [Zea mays]

Seq. No. 7131

Seq. ID OJ990331_12.9922.C39

Gene No. 15044
 Start 1137
 Name OJ990331_12.9922.C39.o1.gs
 Start 1246
 GI none
 Exons 1246..1312, 1577..1644

Strand +
 End 1644
 Method GENSCAN
 End 1644
 Score .62

Seq. No. 7131
 Gene No. 15045
 Start 4125
 Name OJ990331_12.9922.C39.o3.gs
 Start 4125
 GI none
 Exons 4125..4177, 4542..4654, 4874..4988, 5385..5535, 5562..5630, 5844..5966, 6779..7029, 7112..7422, 10158..10503, 11297..11390, 11896..12021

Seq. ID OJ990331_12.9922.C39
 Strand +
 End 13097
 Method GENSCAN
 End 12021
 Score .7

Seq. No. 7131
 Gene No. 15045
 Start 4125
 Name OJ990331_12.9922.C39.o2.np
 Start 10128
 GI 5852179
 Exons 10128..10349, 12708..12937
 GI Descrip. (AL117265) zhb0009.1 [Oryza sativa]

Seq. ID OJ990331_12.9922.C39
 Strand +
 End 13097
 Method AAT/NAP
 End 12937
 Score 310

Seq. No. 7131
 Gene No. 15045
 Start 4125
 Name OJ990331_12.9922.C39.o4.gs
 Start 12465
 GI none
 Exons 12465..13097

Seq. ID OJ990331_12.9922.C39
 Strand +
 End 13097
 Method GENSCAN
 End 13097
 Score .95

Seq. No. 7131
 Gene No. 15046
 Start 16669
 Name OJ990331_12.9922.C39.o6.gs
 Start 16669
 GI none
 Exons 16669..16749, 17350..17493, 17729..18562

Seq. ID OJ990331_12.9922.C39
 Strand +
 End 18562
 Method GENSCAN
 End 18562
 Score .64

Seq. No. 7131
 Gene No. 15047
 Start 2153
 Name OJ990331_12.9922.C39.o2.gs
 Start 2153
 GI none
 Exons 2153..2262, 2359..2431

Seq. ID OJ990331_12.9922.C39
 Strand -
 End 2431
 Method GENSCAN
 End 2431
 Score .86

Seq. No. 7131
 Gene No. 15048
 Start 8311
 Name OJ990331_12.9922.C39.o1.gp
 Start 8311
 GI 3761363
 Exons 8311..8933

Seq. ID OJ990331_12.9922.C39
 Strand -
 End 8933
 Method AAT/GAP
 End 8933
 Score 976

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	7131	Seq. ID	OJ990331_12.9922.C39
Gene No.	15049	Strand	-
Start	11767	End	12498
Name	OJ990331_12.9922.C39.o3.gp	Method	AAT/GAP
Start	11767	End	12498
GI	101153_1.R1084	Score	405

Exons 11767..12008, 12456..12498

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	7132	Seq. ID	OJ990331_12.9922.C40
Gene No.	15050	Strand	+
Start	110	End	1002
Name	OJ990331_12.9922.C40.o1.gs	Method	GENSCAN
Start	110	End	1002
GI	none	Score	.96
Exons	110..416, 492..551, 818..1002		

Seq. No.	7133	Seq. ID	OJ990331_12.9922.C46
Gene No.	15051	Strand	+
Start	384	End	503
Name	OJ990331_12.9922.C46.o1.gs	Method	GENSCAN
Start	384	End	503
GI	none	Score	.44
Exons	384..503		

Seq. No.	7133	Seq. ID	OJ990331_12.9922.C46
Gene No.	15052	Strand	-
Start	1	End	1646
Name	OJ990331_12.9922.C46.o1.np	Method	AAT/NAP
Start	1	End	1646
GI	629693	Score	261
Exons	1..27, 933..1646		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	7133	Seq. ID	OJ990331_12.9922.C46
Gene No.	15052	Strand	-
Start	1	End	1646
Name	OJ990331_12.9922.C46.o1.ts	Method	TBLASTX:Soybean
Start	925	End	1148
GI	none	Score	46
Exons	925..963, 930..1148, 936..1118, 1003..1131		

Seq. No.	7133	Seq. ID	OJ990331_12.9922.C46
Gene No.	15052	Strand	-
Start	1	End	1646
Name	OJ990331_12.9922.C46.o2.np	Method	AAT/NAP
Start	936	End	1646
GI	4115365	Score	305
Exons	936..1646		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7133	Seq. ID	OJ990331_12.9922.C46
Gene No.	15052	Strand	-
Start	1	End	1646
Name	OJ990331_12.9922.C46.o2.gs	Method	GENSCAN
Start	987	End	1541
GI	none	Score	.99
Exons	987..1541		

Seq. No.	7134	Seq. ID	OJ990421_12.9919.C4
Gene No.	15053	Strand	+
Start	154	End	251
Name	OJ990421_12.9919.C4.o1.gs	Method	GENSCAN
Start	154	End	251
GI	none	Score	.56
Exons	154..251		

Seq. No.	7135	Seq. ID	OJ990421_12.9919.C5
Gene No.	15054	Strand	+
Start	59	End	938
Name	OJ990421_12.9919.C5.o1.gs	Method	GENSCAN
Start	59	End	938
GI	none	Score	.48
Exons	59..938		

Seq. No.	7136	Seq. ID	OJ990421_12.9919.C6
Gene No.	15055	Strand	+
Start	93	End	166
Name	OJ990421_12.9919.C6.o1.gs	Method	GENSCAN
Start	93	End	166
GI	none	Score	.85
Exons	93..166		

Seq. No.	7137	Seq. ID	OJ990421_12.9919.C7
Gene No.	15056	Strand	+
Start	1	End	570
Name	OJ990421_12.9919.C7.o2.np	Method	AAT/NAP
Start	1	End	570
GI	4680183	Score	142
Exons	1..105, 481..570		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7137	Seq. ID	OJ990421_12.9919.C7
Gene No.	15057	Strand	-
Start	1	End	448
Name	OJ990421_12.9919.C7.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6721561	Score	135
Exons	1..95, 358..448		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15058	Strand	+
Start	3719	End	4485

Name	OJ990421_12.9919.C8.o3.np	Method	AAT/NAP
Start	3719	End	4485
GI	4680183	Score	149
Exons	3719..3789, 4398..4485		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	1860
GI	4680179	Score	2357
Exons	1..60, 450..1860		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o1.gs	Method	GENSCAN
Start	392	End	4494
GI	none	Score	.44
Exons	392..997, 1030..1860, 2248..2346, 2420..3013, 3343..3478, 3689..3784, 4433..4494		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o2.tw	Method	TBLASTX:Wheat
Start	582	End	796
GI	none	Score	74
Exons	582..644, 584..724, 594..710, 726..791, 731..796		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o3.tw	Method	TBLASTX:Wheat
Start	992	End	1234
GI	none	Score	47
Exons	992..1087, 993..1064, 1099..1233, 1145..1234		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	1099	End	1353
GI	none	Score	95
Exons	1099..1353, 1099..1353		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	1234	End	1593
GI	none	Score	96
Exons	1234..1593, 1235..1468, 1513..1563		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
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Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o2.np	Method	AAT/NAP
Start	2117	End	2947
GI	5042448	Score	1140
Exons	2117..2947		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	7138	Seq. ID	OJ990421_12.9919.C8
Gene No.	15059	Strand	-
Start	1	End	4494
Name	OJ990421_12.9919.C8.o1.gp	Method	AAT/GAP
Start	3575	End	3785
GI	1631463	Score	343
Exons	3575..3785		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	7139	Seq. ID	OJ990421_12.9919.C9
Gene No.	15060	Strand	+
Start	340	End	1095
Name	OJ990421_12.9919.C9.o1.np	Method	AAT/NAP
Start	340	End	1095
GI	4680179	Score	678
Exons	340..1095		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7139	Seq. ID	OJ990421_12.9919.C9
Gene No.	15060	Strand	+
Start	340	End	1095
Name	OJ990421_12.9919.C9.o1.gs	Method	GENSCAN
Start	385	End	1056
GI	none	Score	.78
Exons	385..1056		

Seq. No.	7139	Seq. ID	OJ990421_12.9919.C9
Gene No.	15060	Strand	+
Start	340	End	1095
Name	OJ990421_12.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	556	End	915
GI	none	Score	282
Exons	556..915, 582..659, 595..906		

Seq. No.	7139	Seq. ID	OJ990421_12.9919.C9
Gene No.	15060	Strand	+
Start	340	End	1095
Name	OJ990421_12.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	796	End	1095
GI	none	Score	237
Exons	796..1095		

Seq. No.	7140	Seq. ID	OJ990421_12.9919.C10
Gene No.	15061	Strand	-
Start	1	End	449
Name	OJ990421_12.9919.C10.o1.np	Method	AAT/NAP

Start	1	End	449
GI	4680179	Score	734
Exons	1..449		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7140	Seq. ID	OJ990421_12.9919.C10
Gene No.	15061	Strand	-
Start	1	End	449
Name	OJ990421_12.9919.C10.o1.gs	Method	GENSCAN
Start	51	End	449
GI	none	Score	.56
Exons	51..449		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15062	Strand	+
Start	1	End	20232
Name	OJ990421_12.9919.C11.o2.np	Method	AAT/NAP
Start	1	End	7008
GI	4680183	Score	228
Exons	1..128, 3791..3920, 6209..6310, 6919..7008		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15062	Strand	+
Start	1	End	20232
Name	OJ990421_12.9919.C11.o1.gs	Method	GENSCAN
Start	38	End	8152
GI	none	Score	.52
Exons	38..789, 1494..1686, 2011..2833, 3050..4392, 4573..5026, 5365..5444, 6221..6310, 6919..6964, 7656..8152		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15062	Strand	+
Start	1	End	20232
Name	OJ990421_12.9919.C11.o1.np	Method	AAT/NAP
Start	1753	End	5061
GI	3645899	Score	3866
Exons	1753..3200, 3312..5061		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15062	Strand	+
Start	1	End	20232
Name	OJ990421_12.9919.C11.o3.np	Method	AAT/NAP
Start	7859	End	20232
GI	5852175	Score	273
Exons	7859..8194, 8522..8776, 13165..13333, 14180..14311, 20186..20232		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15062	Strand	+
Start	1	End	20232
Name	OJ990421_12.9919.C11.o2.gs	Method	GENSCAN
Start	10180	End	19612
GI	none	Score	.45
Exons	10180..10357, 10498..10662, 11892..12122, 12186..12291, 12651..12833, 13067..13317, 13638..13707, 16337..16460,		

16628..17128, 17669..17769, 17957..18015, 19512..19612

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15062 Strand +
Start 1 End 20232
Name OJ990421_12.9919.C11.o4.np Method AAT/NAP
Start 16040 End 17770
GI 6907087 Score 1054
Exons 16040..16413, 16459..17128, 17669..17770
GI Descrip. (AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15062 Strand +
Start 1 End 20232
Name OJ990421_12.9919.C11.o4.gp Method AAT/GAP
Start 18228 End 18607
GI uC-osflcyp033a04b1 Score 625
Exons 18228..18607
GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15063 Strand -
Start 5256 End 5427
Name OJ990421_12.9919.C11.o1.gp Method AAT/GAP
Start 5256 End 5427
GI LIB3433-026-P1-K1-C1 Score 235
Exons 5256..5427
GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15064 Strand -
Start 6096 End 6305
Name OJ990421_12.9919.C11.o2.gp Method AAT/GAP
Start 6096 End 6305
GI 1631463 Score 347
Exons 6096..6305
GI Descrip. 4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15065 Strand -
Start 18161 End 18361
Name OJ990421_12.9919.C11.o7.tm Method TBLASTX:Maize
Start 1654 End 1929
GI none Score 71
Exons 1654..1707, 1657..1707, 1713..1928, 1723..1929

Seq. No. 7141 Seq. ID OJ990421_12.9919.C11
Gene No. 15065 Strand -
Start 18161 End 18361
Name OJ990421_12.9919.C11.o4.tm Method TBLASTX:Maize
Start 2005 End 2387

GI	none	Score	76
Exons	2005..2067, 2056..2121, 2119..2385, 2126..2383, 2127..2387, 2127..2384		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o2.tw	Method	TBLASTX:Wheat
Start	2161	End	2730
GI	none	Score	262
Exons	2161..2409, 2163..2393, 2421..2447, 2421..2447, 2449..2574, 2458..2517, 2560..2727, 2575..2730		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	2396	End	3087
GI	none	Score	106
Exons	2396..2464, 2397..2471, 2398..2469, 2470..2574, 2574..3044, 2575..3057, 2576..3082, 2578..3087		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o3.ts	Method	TBLASTX:Soybean
Start	2575	End	3036
GI	none	Score	225
Exons	2575..2886, 2935..3036		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o5.tm	Method	TBLASTX:Maize
Start	3400	End	3693
GI	none	Score	153
Exons	3400..3690, 3402..3692, 3423..3692, 3430..3693		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o1.ts	Method	TBLASTX:Soybean
Start	3426	End	4034
GI	5509260	Score	66
Exons	3426..3527, 3427..3657, 3430..3645, 3643..4032, 3651..4034, 3652..4032		

GI Descrip. -

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o1.tw	Method	TBLASTX:Wheat
Start	3568	End	4020
GI	none	Score	90
Exons	3568..3642, 3643..3672, 3673..4020, 3675..4007		

Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
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Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o1.tc	Method	TBLASTX:Cress
Start	3634	End	3915
GI	none	Score	214
Exons	3634..3915, 3639..3896		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o3.tm	Method	TBLASTX:Maize
Start	3694	End	4161
GI	none	Score	636
Exons	3694..4161, 3696..4160		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o6.tm	Method	TBLASTX:Maize
Start	4203	End	4386
GI	none	Score	134
Exons	4203..4346, 4203..4385, 4204..4386		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o3.tw	Method	TBLASTX:Wheat
Start	4204	End	4620
GI	none	Score	95
Exons	4204..4368, 4384..4620		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	4387	End	5064
GI	none	Score	976
Exons	4387..5058, 4395..4997, 4768..5064		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o2.ts	Method	TBLASTX:Soybean
Start	4405	End	5046
GI	none	Score	296
Exons	4405..4803, 4614..4793, 4813..5046, 4830..4898		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-
Start	18161	End	18361
Name	OJ990421_12.9919.C11.o2.tc	Method	TBLASTX:Cress
Start	4585	End	5043
GI	none	Score	63
Exons	4585..4671, 4678..4812, 4831..5043		
Seq. No.	7141	Seq. ID	OJ990421_12.9919.C11
Gene No.	15065	Strand	-

Start	18161	End	18361
Name	OJ990421_12.9919.C11.o5.np	Method	AAT/NAP
Start	18161	End	18361
GI	4680186	Score	306
Exons	18161..18361		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
Gene No.	15066	Strand	+
Start	1	End	361
Name	OJ990421_12.9919.C12.o1.np	Method	AAT/NAP
Start	1	End	361
GI	6907087	Score	105
Exons	1..115, 260..361		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
Gene No.	15067	Strand	+
Start	819	End	2979
Name	OJ990421_12.9919.C12.o1.gp	Method	AAT/GAP
Start	819	End	1198
GI	uC-osflcyp033a04b1	Score	629
Exons	819..1198		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
Gene No.	15067	Strand	+
Start	819	End	2979
Name	OJ990421_12.9919.C12.o1.gs	Method	GENSCAN
Start	997	End	2979
GI	none	Score	.55
Exons	997..1067, 1640..1715, 1885..2979		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
Gene No.	15068	Strand	+
Start	6344	End	6727
Name	OJ990421_12.9919.C12.o2.gp	Method	AAT/GAP
Start	6344	End	6727
GI	uC-osflcyp033a04b1	Score	681
Exons	6344..6727		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
Gene No.	15069	Strand	-
Start	1	End	11172
Name	OJ990421_12.9919.C12.o3.np	Method	AAT/NAP
Start	1	End	11172
GI	5852180	Score	592
Exons	1..68, 4265..4306, 5005..5408, 5460..5578, 6568..6657, 11128..11172		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7142	Seq. ID	OJ990421_12.9919.C12
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Gene No.	15069	Strand	-
Start	1	End	11172
Name	OJ990421_12.9919.C12.o2.np	Method	AAT/NAP
Start	752	End	2696
GI	4680186	Score	316
Exons	752..952, 2667..2696		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7143	Seq. ID	OJ990421_12.9919.C13
Gene No.	15070	Strand	+
Start	129	End	195
Name	OJ990421_12.9919.C13.o1.gs	Method	GENSCAN
Start	129	End	195
GI	none	Score	.62
Exons	129..195		

Seq. No.	7143	Seq. ID	OJ990421_12.9919.C13
Gene No.	15071	Strand	+
Start	2520	End	4687
Name	OJ990421_12.9919.C13.o2.gs	Method	GENSCAN
Start	2520	End	4687
GI	none	Score	.44
Exons	2520..2525, 3593..3784, 4556..4687		

Seq. No.	7143	Seq. ID	OJ990421_12.9919.C13
Gene No.	15072	Strand	-
Start	462	End	1129
Name	OJ990421_12.9919.C13.o1.np	Method	AAT/NAP
Start	462	End	1129
GI	6721507	Score	77
Exons	462..659, 919..1129		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7144	Seq. ID	OJ990421_12.9919.C15
Gene No.	15073	Strand	-
Start	232	End	238
Name	OJ990421_12.9919.C15.o1.gs	Method	GENSCAN
Start	232	End	238
GI	none	Score	.55
Exons	232..238		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15074	Strand	+
Start	396	End	871
Name	OJ990421_12.9919.C16.o1.gs	Method	GENSCAN
Start	396	End	871
GI	none	Score	.51
Exons	396..456, 699..871		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15075	Strand	+
Start	6361	End	7153
Name	OJ990421_12.9919.C16.o1.gp	Method	AAT/GAP
Start	4993	End	5453
GI	LIB3432-059-P1-K1-D8	Score	742
Exons	4993..5453		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15075	Strand	+
Start	6361	End	7153
Name	OJ990421_12.9919.C16.o4.gs	Method	GENSCAN
Start	6361	End	7153
GI	none	Score	.98
Exons	6361..6504, 6680..7153		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15076	Strand	-
Start	1425	End	1807
Name	OJ990421_12.9919.C16.o2.gs	Method	GENSCAN
Start	1425	End	1807
GI	none	Score	.76
Exons	1425..1655, 1712..1807		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15077	Strand	-
Start	3570	End	4876
Name	OJ990421_12.9919.C16.o1.tw	Method	TBLASTX:Wheat
Start	1632	End	4020
GI	none	Score	48
Exons	1632..1670, 1632..1733, 1633..1731, 1749..1832, 1762..1827, 1764..1832, 1903..2010, 2027..2128, 3576..3731, 3763..4020, 3776..3922, 3781..3939		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15077	Strand	-
Start	3570	End	4876
Name	OJ990421_12.9919.C16.o3.gs	Method	GENSCAN
Start	3570	End	4876
GI	none	Score	.87
Exons	3570..3756, 3821..4002, 4772..4876		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15077	Strand	-
Start	3570	End	4876
Name	OJ990421_12.9919.C16.o1.np	Method	AAT/NAP
Start	3575	End	4007
GI	6742729	Score	195
Exons	3575..4007		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7145	Seq. ID	OJ990421_12.9919.C16
Gene No.	15077	Strand	-
Start	3570	End	4876
Name	OJ990421_12.9919.C16.o1.tm	Method	TBLASTX:Maize
Start	3811	End	4017
GI	none	Score	104
Exons	3811..4017, 3812..4012		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15078	Strand	+
Start	97	End	1736
Name	OJ990421_12.9919.C19.o1.np	Method	AAT/NAP

Start	97	End	1736
GI	4680502	Score	100
Exons	97..360, 845..1028, 1680..1736		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o1.gp	Method	AAT/GAP
Start	14360	End	14952
GI	2310235	Score	287
Exons	14360..14397, 14813..14952		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o2.gs	Method	GENSCAN
Start	14813	End	18115
GI	none	Score	.97
Exons	14813..15595, 15731..18115		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o3.np	Method	AAT/NAP
Start	14813	End	18094
GI	4680203	Score	3208
Exons	14813..16456, 16610..16840, 17117..18094		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o2.gp	Method	AAT/GAP
Start	14817	End	18876
GI	342_1.R1084	Score	6339
Exons	14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18876		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o4.gp	Method	AAT/GAP
Start	14817	End	18869
GI	342_1.R1084	Score	6335
Exons	14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18869		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878

Name	OJ990421_12.9919.C19.o3.gp	Method	AAT/GAP
Start	14817	End	18878
GI	342_1.R1084	Score	6339
Exons	14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18878		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o5.gp	Method	AAT/GAP
Start	14950	End	18777
GI	342_1.R1084	Score	6163
Exons	14950..18187, 18223..18242, 18325..18422, 18532..18777		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15079	Strand	+
Start	14360	End	18878
Name	OJ990421_12.9919.C19.o6.gp	Method	AAT/GAP
Start	14954	End	18777
GI	342_1.R1084	Score	6163
Exons	14954..18187, 18223..18242, 18325..18422, 18532..18777		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15080	Strand	-
Start	5398	End	12988
Name	OJ990421_12.9919.C19.o2.np	Method	AAT/NAP
Start	5398	End	12988
GI	6063554	Score	255
Exons	5398..5570, 6209..6241, 7619..7842, 8093..8353, 12958..12988		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o4.tw	Method	TBLASTX:Wheat
Start	15150	End	15469
GI	none	Score	103
Exons	15150..15257, 15164..15271, 15254..15304, 15259..15318, 15310..15468, 15311..15469		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o1.ts	Method	TBLASTX:Soybean
Start	15406	End	15835
GI	none	Score	89
Exons	15406..15492, 15407..15481, 15539..15835, 15593..15817		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
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Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o2.tc	Method	TBLASTX:Cress
Start	15568	End	15913
GI	none	Score	304
Exons	15568..15720, 15575..15913, 15760..15912		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o2.tw	Method	TBLASTX:Wheat
Start	15704	End	16173
GI	none	Score	72
Exons	15704..15757, 15712..15756, 15758..15862, 15769..15858, 15866..15964, 15871..15963, 15944..16168, 15964..16173, 15965..16168, 15967..16173		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o1.tm	Method	TBLASTX:Maize
Start	15761	End	16207
GI	none	Score	243
Exons	15761..16003, 15769..16002, 16013..16207		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o2.ts	Method	TBLASTX:Soybean
Start	16037	End	16279
GI	none	Score	211
Exons	16037..16279		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o3.tw	Method	TBLASTX:Wheat
Start	16312	End	16722
GI	none	Score	87
Exons	16312..16362, 16313..16375, 16361..16603, 16381..16563, 16633..16716, 16636..16722, 16637..16720		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o1.tw	Method	TBLASTX:Wheat
Start	16723	End	18040
GI	none	Score	880
Exons	16723..17625, 16724..17641, 17636..17680, 17640..17675, 17683..17778, 17687..17746, 17725..17865, 17726..17866, 17868..17942, 17879..17959, 17948..18040, 17974..18039		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o2.tm	Method	TBLASTX:Maize
Start	16766	End	17080

GI	none	Score	314
Exons	16766..17080, 16777..17052, 16850..17080		
Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o1.tc	Method	TBLASTX:Cress
Start	17007	End	17458
GI	none	Score	173
Exons	17007..17189, 17011..17448, 17011..17454, 17015..17458, 17021..17458		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o3.gs	Method	GENSCAN
Start	19212	End	22951
GI	none	Score	.45
Exons	19212..19312, 19608..19874, 20103..20245, 21637..21796, 22774..22951		

Seq. No.	7146	Seq. ID	OJ990421_12.9919.C19
Gene No.	15081	Strand	-
Start	19212	End	22951
Name	OJ990421_12.9919.C19.o4.np	Method	AAT/NAP
Start	19218	End	19824
GI	1006761	Score	156
Exons	19218..19312, 19575..19824		
GI Descrip.	(X81707) Thionin class 1 [Tulipa gesneriana]		

Seq. No.	7147	Seq. ID	OJ990421_12.9919.C20
Gene No.	15082	Strand	-
Start	135	End	213
Name	OJ990421_12.9919.C20.o1.gs	Method	GENSCAN
Start	135	End	213
GI	none	Score	.64
Exons	135..213		

Seq. No.	7148	Seq. ID	OJ990421_12.9919.C21
Gene No.	15083	Strand	+
Start	767	End	3297
Name	OJ990421_12.9919.C21.o1.np	Method	AAT/NAP
Start	767	End	1183
GI	135794	Score	165
Exons	767..1183		
GI Descrip.	LEAF-SPECIFIC THIONIN PRECURSOR (CLONES PKG1348, PKG1940, PKG2872 AND DG3) gi 167102 (M19046) precursor thionin [Hordeum vulgare] gi 167104 (M19047) precursor thionin [Hordeum vulgare] gi 167106 (M19048) precursor thionin [Hordeum vulgare]		

Seq. No.	7148	Seq. ID	OJ990421_12.9919.C21
Gene No.	15083	Strand	+
Start	767	End	3297
Name	OJ990421_12.9919.C21.o1.gs	Method	GENSCAN
Start	776	End	3188
GI	none	Score	.41
Exons	776..1166, 2265..3188		

Seq. No.	7148	Seq. ID	OJ990421_12.9919.C21
Gene No.	15083	Strand	+
Start	767	End	3297
Name	OJ990421_12.9919.C21.o2.np	Method	AAT/NAP
Start	857	End	991
GI	135797	Score	154
Exons	857..991		
GI Descrip.	PHORATOXIN gi 69605 pir VFFD1T phoratoxin - California mistletoe		

Seq. No.	7148	Seq. ID	OJ990421_12.9919.C21
Gene No.	15083	Strand	+
Start	767	End	3297
Name	OJ990421_12.9919.C21.o3.np	Method	AAT/NAP
Start	1968	End	3297
GI	6907087	Score	907
Exons	1968..2335, 2380..3091, 3211..3297		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7149	Seq. ID	OJ990421_12.9919.C23
Gene No.	15084	Strand	+
Start	264	End	435
Name	OJ990421_12.9919.C23.o1.gs	Method	GENSCAN
Start	264	End	435
GI	none	Score	.71
Exons	264..435		

Seq. No.	7150	Seq. ID	OJ990421_12.9919.C25
Gene No.	15085	Strand	-
Start	384	End	690
Name	OJ990421_12.9919.C25.o1.gs	Method	GENSCAN
Start	384	End	690
GI	none	Score	.52
Exons	384..431, 560..583, 688..690		

Seq. No.	7151	Seq. ID	OJ990421_12.9919.C26
Gene No.	15086	Strand	+
Start	384	End	414
Name	OJ990421_12.9919.C26.o1.gs	Method	GENSCAN
Start	384	End	414
GI	none	Score	.43
Exons	384..414		

Seq. No.	7151	Seq. ID	OJ990421_12.9919.C26
Gene No.	15087	Strand	-
Start	1	End	516
Name	OJ990421_12.9919.C26.o1.np	Method	AAT/NAP
Start	1	End	516
GI	4680502	Score	117
Exons	1..243, 452..516		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	7152	Seq. ID	OJ990421_12.9919.C27
Gene No.	15088	Strand	+

Start	1	End	738
Name	OJ990421_12.9919.C27.o1.np	Method	AAT/NAP
Start	1	End	738
GI	4680179	Score	677
Exons	1..738		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7152	Seq. ID	OJ990421_12.9919.C27
Gene No.	15088	Strand	+
Start	1	End	738
Name	OJ990421_12.9919.C27.o1.gs	Method	GENSCAN
Start	82	End	621
GI	none	Score	.73
Exons	82..621		

Seq. No.	7152	Seq. ID	OJ990421_12.9919.C27
Gene No.	15088	Strand	+
Start	1	End	738
Name	OJ990421_12.9919.C27.o1.tw	Method	TBLASTX:Wheat
Start	124	End	480
GI	none	Score	281
Exons	124..480, 147..224, 160..471		

Seq. No.	7152	Seq. ID	OJ990421_12.9919.C27
Gene No.	15088	Strand	+
Start	1	End	738
Name	OJ990421_12.9919.C27.o1.tm	Method	TBLASTX:Maize
Start	361	End	666
GI	none	Score	239
Exons	361..666		

Seq. No.	7153	Seq. ID	OJ990421_12.9919.C28
Gene No.	15089	Strand	-
Start	1	End	722
Name	OJ990421_12.9919.C28.o1.np	Method	AAT/NAP
Start	1	End	722
GI	4680179	Score	799
Exons	1..722		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7153	Seq. ID	OJ990421_12.9919.C28
Gene No.	15089	Strand	-
Start	1	End	722
Name	OJ990421_12.9919.C28.o1.gs	Method	GENSCAN
Start	383	End	652
GI	none	Score	.43
Exons	383..652		

Seq. No.	7154	Seq. ID	OJ990421_12.9919.C33
Gene No.	15090	Strand	+
Start	1	End	554
Name	OJ990421_12.9919.C33.o1.np	Method	AAT/NAP
Start	1	End	529
GI	2062155	Score	78
Exons	1..84, 167..237, 325..529		
GI Descrip.	(AC001645) mitochondrial processing peptidase alpha subunit precursor isolog [Arabidopsis thaliana]		

Seq. No.	7154	Seq. ID	OJ990421_12.9919.C33
Gene No.	15090	Strand	+
Start	1	End	554
Name	OJ990421_12.9919.C33.o1.gp	Method	AAT/GAP
Start	48	End	554
GI	4632_1.R1084	Score	265
Exons	48..84, 167..237, 325..374, 519..554		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	7154	Seq. ID	OJ990421_12.9919.C33
Gene No.	15090	Strand	+
Start	1	End	554
Name	OJ990421_12.9919.C33.o1.gs	Method	GENSCAN
Start	167	End	374
GI	none	Score	.65
Exons	167..237, 325..374		

Seq. No.	7155	Seq. ID	OJ990421_12.9919.C34
Gene No.	15091	Strand	+
Start	1	End	907
Name	OJ990421_12.9919.C34.o1.np	Method	AAT/NAP
Start	1	End	205
GI	5852178	Score	116
Exons	1..205		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	7155	Seq. ID	OJ990421_12.9919.C34
Gene No.	15091	Strand	+
Start	1	End	907
Name	OJ990421_12.9919.C34.o2.np	Method	AAT/NAP
Start	1	End	907
GI	6063554	Score	167
Exons	1..91, 736..907		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7155	Seq. ID	OJ990421_12.9919.C34
Gene No.	15091	Strand	+
Start	1	End	907
Name	OJ990421_12.9919.C34.o1.gs	Method	GENSCAN
Start	111	End	208
GI	none	Score	.54
Exons	111..208		

Seq. No.	7156	Seq. ID	OJ990421_12.9919.C35
Gene No.	15092	Strand	-
Start	337	End	906
Name	OJ990421_12.9919.C35.o1.gs	Method	GENSCAN
Start	337	End	906
GI	none	Score	.73
Exons	337..509, 616..760, 790..906		

Seq. No.	7157	Seq. ID	OJ990421_12.9919.C36
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Gene No. 15093
 Start 1006
 Name OJ990421_12.9919.C36.o1.gs
 Start 1006
 GI none
 Exons 1006..1197

Strand -
 End 1197
 Method GENSCAN
 End 1197
 Score .61

Seq. No. 7158
 Gene No. 15094
 Start 201
 Name OJ990421_12.9919.C37.o1.gs
 Start 201
 GI none
 Exons 201..267

Seq. ID OJ990421_12.9919.C37
 Strand -
 End 267
 Method GENSCAN
 End 267
 Score .58

Seq. No. 7159
 Gene No. 15095
 Start 523
 Name OJ990421_12.9919.C38.o1.gs
 Start 523
 GI none
 Exons 523..775

Seq. ID OJ990421_12.9919.C38
 Strand +
 End 775
 Method GENSCAN
 End 775
 Score .74

Seq. No. 7160
 Gene No. 15096
 Start 1
 Name OJ990421_12.9919.C39.o1.np
 Start 1
 GI 6063554
 Exons 1..24, 235..411

Seq. ID OJ990421_12.9919.C39
 Strand +
 End 411
 Method AAT/NAP
 End 411
 Score 153

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 7161
 Gene No. 15097
 Start 335
 Name OJ990421_12.9919.C40.o1.gs
 Start 335
 GI none
 Exons 335..516

Seq. ID OJ990421_12.9919.C40
 Strand +
 End 516
 Method GENSCAN
 End 516
 Score .67

Seq. No. 7162
 Gene No. 15098
 Start 438
 Name OJ990421_12.9919.C41.o1.gs
 Start 438
 GI none
 Exons 438..489

Seq. ID OJ990421_12.9919.C41
 Strand -
 End 489
 Method GENSCAN
 End 489
 Score .74

Seq. No. 7163
 Gene No. 15099
 Start 10231
 Name OJ990421_12.9919.C42.o3.gs
 Start 10231
 GI none
 Exons 10231..10449, 10469..10735

Seq. ID OJ990421_12.9919.C42
 Strand +
 End 10735
 Method GENSCAN
 End 10735
 Score .61

Seq. No.	7163	Seq. ID	OJ990421_12.9919.C42
Gene No.	15100	Strand	-
Start	4226	End	8780
Name	OJ990421_12.9919.C42.o2.gs	Method	GENSCAN
Start	4226	End	8780
GI	none	Score	.6
Exons	4226..4315, 4416..4711, 5499..5613, 5707..5797, 6241..6436, 6520..6698, 6862..7035, 7181..7359, 7631..7789, 7917..8060, 8266..8378, 8666..8780		

Seq. No.	7163	Seq. ID	OJ990421_12.9919.C42
Gene No.	15101	Strand	-
Start	9783	End	10667
Name	OJ990421_12.9919.C42.o1.np	Method	AAT/NAP
Start	9783	End	10667
GI	5852178	Score	424
Exons	9783..9878, 10226..10330, 10362..10667		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15102	Strand	+
Start	63	End	8231
Name	OJ990421_12.9919.C43.o1.gs	Method	GENSCAN
Start	63	End	8231
GI	none	Score	.41
Exons	63..93, 171..456, 568..679, 2574..2835, 4321..5153, 7434..8231		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o1.np	Method	AAT/NAP
Start	8173	End	12913
GI	4680179	Score	5617
Exons	8173..8218, 8495..9484, 9512..12913		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o2.gs	Method	GENSCAN
Start	8495	End	12835
GI	none	Score	.64
Exons	8495..9161, 9261..12835		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o9.tw	Method	TBLASTX:Wheat
Start	8656	End	8854
GI	none	Score	205
Exons	8656..8853, 8657..8854, 8660..8854		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o6.tm	Method	TBLASTX:Maize

Start 8906
GI none
Exons 8906..9211

End 9211
Score 242

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o7.tw
Start 8906
GI none
Exons 8906..9256

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Wheat
End 9256
Score 308

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o8.tw
Start 9590
GI none
Exons 9590..9943

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Wheat
End 9943
Score 246

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o7.tm
Start 9947
GI none
Exons 9947..10138, 9985..10140

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Maize
End 10140
Score 190

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o4.tw
Start 10075
GI none
Exons 10075..10515, 10076..10558, 10112..10555

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Wheat
End 10558
Score 540

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o4.ts
Start 10112
GI none
Exons 10112..10426

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Soybean
End 10426
Score 192

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o4.tm
Start 10141
GI none
Exons 10141..10383, 10145..10588

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Maize
End 10588
Score 367

Seq. No. 7164
Gene No. 15103
Start 8173
Name OJ990421_12.9919.C43.o1.ts
Start 10499

Seq. ID OJ990421_12.9919.C43
Strand +
End 12913
Method TBLASTX:Soybean
End 10894

GI	none	Score	57
Exons	10499..10531, 10499..10531, 10535..10894, 10537..10884		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o5.tw	Method	TBLASTX:Wheat
Start	10609	End	10909
GI	none	Score	382
Exons	10609..10908, 10637..10909		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o5.tm	Method	TBLASTX:Maize
Start	10634	End	10975
GI	none	Score	324
Exons	10634..10975, 10696..10974		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o3.tw	Method	TBLASTX:Wheat
Start	10910	End	11335
GI	none	Score	597
Exons	10910..11335, 10912..11328, 10985..11335		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o3.ts	Method	TBLASTX:Soybean
Start	10916	End	11164
GI	none	Score	206
Exons	10916..11164		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o2.tm	Method	TBLASTX:Maize
Start	10982	End	11335
GI	none	Score	461
Exons	10982..11335, 10987..11328		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o2.tw	Method	TBLASTX:Wheat
Start	11363	End	11902
GI	none	Score	617
Exons	11363..11902, 11545..11898		
Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o1.tc	Method	TBLASTX:Cress
Start	11557	End	11926
GI	none	Score	91

Exons 11557..11772, 11600..11782, 11783..11926, 11785..11925

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o2.ts	Method	TBLASTX:Soybean
Start	11690	End	11950
GI	none	Score	301
Exons	11690..11950, 11701..11949		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o3.tm	Method	TBLASTX:Maize
Start	11748	End	12040
GI	none	Score	411
Exons	11748..12035, 11749..12036, 11750..12040		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o1.tw	Method	TBLASTX:Wheat
Start	11909	End	12535
GI	none	Score	721
Exons	11909..12535, 11912..12256, 11965..12414, 12475..12534		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o1.tm	Method	TBLASTX:Maize
Start	12088	End	12673
GI	none	Score	229
Exons	12088..12243, 12089..12250, 12091..12252, 12247..12411, 12248..12673, 12368..12652, 12475..12672		

Seq. No.	7164	Seq. ID	OJ990421_12.9919.C43
Gene No.	15103	Strand	+
Start	8173	End	12913
Name	OJ990421_12.9919.C43.o6.tw	Method	TBLASTX:Wheat
Start	12535	End	12868
GI	none	Score	311
Exons	12535..12816, 12536..12868		

Seq. No.	7165	Seq. ID	OJ990421_12.9919.C44
Gene No.	15104	Strand	+
Start	294	End	466
Name	OJ990421_12.9919.C44.o1.np	Method	AAT/NAP
Start	294	End	466
GI	6063554	Score	93
Exons	294..466		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7166	Seq. ID	OJ990421_12.9919.C45
Gene No.	15105	Strand	+
Start	1098	End	1877

Name	OJ990421_12.9919.C45.o1.gs	Method	GENSCAN
Start	1098	End	1877
GI	none	Score	.72
Exons	1098..1103, 1578..1877		

Seq. No.	7166	Seq. ID	OJ990421_12.9919.C45
Gene No.	15106	Strand	-
Start	2126	End	2700
Name	OJ990421_12.9919.C45.o2.gs	Method	GENSCAN
Start	2126	End	2700
GI	none	Score	.95
Exons	2126..2244, 2506..2587, 2668..2700		

Seq. No.	7166	Seq. ID	OJ990421_12.9919.C45
Gene No.	15107	Strand	-
Start	2667	End	4286
Name	OJ990421_12.9919.C45.o1.np	Method	AAT/NAP
Start	2667	End	4286
GI	4680203	Score	181
Exons	2667..3012, 4217..4286		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7167	Seq. ID	OJ990421_12.9919.C46
Gene No.	15108	Strand	+
Start	1	End	653
Name	OJ990421_12.9919.C46.o1.np	Method	AAT/NAP
Start	1	End	653
GI	99922	Score	160
Exons	1..100, 332..653		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	7168	Seq. ID	OJ990421_12.9919.C47
Gene No.	15109	Strand	-
Start	347	End	419
Name	OJ990421_12.9919.C47.o1.gs	Method	GENSCAN
Start	347	End	419
GI	none	Score	.6
Exons	347..419		

Seq. No.	7169	Seq. ID	OJ990401_09.9923.C1
Gene No.	15110	Strand	+
Start	1	End	234
Name	OJ990401_09.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	234
GI	629693	Score	110
Exons	1..234		
GI Descrip.	probable integrase - common tobacco (fragment) gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	7170	Seq. ID	OJ990401_09.9923.C3
Gene No.	15111	Strand	+
Start	1	End	685
Name	OJ990401_09.9923.C3.o1.np	Method	AAT/NAP
Start	1	End	685
GI	418604	Score	1141
Exons	1..685		

GI Descrip. HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)

Seq. No.	7170	Seq. ID	OJ990401_09.9923.C3
Gene No.	15111	Strand	+
Start	1	End	685
Name	OJ990401_09.9923.C3.o1.gs	Method	GENSCAN
Start	384	End	635
GI	none	Score	.54
Exons	384..635		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o1.np	Method	AAT/NAP
Start	346	End	1465
GI	3193306	Score	1120
Exons	346..1465		
GI Descrip.	(AF069300) contains similarity to Arabidopsis membrane-associated salt-inducible-like protein (GB:AL021637) [Arabidopsis thaliana]		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	370	End	1008
GI	none	Score	678
Exons	370..1008, 407..913, 508..1005		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o2.ts	Method	TBLASTX:Soybean
Start	370	End	646
GI	none	Score	261
Exons	370..645, 407..646		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o1.gs	Method	GENSCAN
Start	373	End	1420
GI	none	Score	.7
Exons	373..1420		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o2.tc	Method	TBLASTX:Cress
Start	376	End	673
GI	none	Score	218
Exons	376..672, 410..673		

Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465

Name	OJ990401_09.9923.C4.o1.ts	Method	TBLASTX:Soybean
Start	647	End	963
GI	none	Score	111
Exons	647..913, 648..806, 649..963, 653..913		
Seq. No.	7171	Seq. ID	OJ990401_09.9923.C4
Gene No.	15112	Strand	-
Start	346	End	1465
Name	OJ990401_09.9923.C4.o1.tc	Method	TBLASTX:Cress
Start	673	End	1098
GI	none	Score	185
Exons	673..963, 674..913, 676..954, 1012..1098		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15113	Strand	+
Start	8151	End	9959
Name	OJ990401_09.9923.C5.o2.gs	Method	GENSCAN
Start	8151	End	9959
GI	none	Score	.81
Exons	8151..8490, 8604..8857, 8975..9103, 9552..9959		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15113	Strand	+
Start	8151	End	9959
Name	OJ990401_09.9923.C5.o4.np	Method	AAT/NAP
Start	8151	End	9959
GI	4126687	Score	1837
Exons	8151..8490, 8604..8857, 8975..9454, 9552..9959		
GI Descrip.	(AB016501) glutelin [Oryza sativa]		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15114	Strand	+
Start	17903	End	20266
Name	OJ990401_09.9923.C5.o4.gs	Method	GENSCAN
Start	17903	End	20266
GI	none	Score	.84
Exons	17903..18726, 18774..18930, 19257..19385, 19707..19857, 20142..20266		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15114	Strand	+
Start	17903	End	20266
Name	OJ990401_09.9923.C5.o6.np	Method	AAT/NAP
Start	17903	End	19050
GI	5295971	Score	1442
Exons	17903..18322, 18368..19050		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15115	Strand	+
Start	24349	End	24534
Name	OJ990401_09.9923.C5.o6.gs	Method	GENSCAN
Start	24349	End	24534
GI	none	Score	.87
Exons	24349..24534		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15116	Strand	+
Start	26042	End	27064
Name	OJ990401_09.9923.C5.o7.np	Method	AAT/NAP
Start	26042	End	27064
GI	5020219	Score	463
Exons	26042..27064		
GI Descrip.	(AF149919) wax synthase [Simmondsia chinensis]		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15117	Strand	+
Start	31504	End	34521
Name	OJ990401_09.9923.C5.o8.gs	Method	GENSCAN
Start	31504	End	34521
GI	none	Score	.77
Exons	31504..31567, 32988..33169, 33209..33739, 33985..34521		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15118	Strand	-
Start	1	End	171
Name	OJ990401_09.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	171
GI	3193306	Score	122
Exons	1..171		
GI Descrip.	(AF069300) contains similarity to Arabidopsis membrane-associated salt-inducible-like protein (GB:AL021637) [Arabidopsis thaliana]		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o4.tm	Method	TBLASTX:Maize
Start	1829	End	2334
GI	none	Score	241
Exons	1829..2152, 2254..2334		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	8369	End	9914
GI	none	Score	108
Exons	8369..8503, 8373..8492, 8618..8671, 8701..8847, 8702..8857, 9053..9169, 9055..9171, 9302..9463, 9552..9914		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	8385	End	9914
GI	none	Score	83
Exons	8385..8492, 8618..8662, 8687..8860, 8698..8856, 9056..9196, 9283..9438, 9284..9454, 9555..9833, 9558..9914, 9566..9883		
Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-

Start	11933	End	17382
Name	OJ990401_09.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	8683	End	9878
GI	none	Score	153
Exons	8683..8817, 8684..8818, 9281..9433, 9296..9448, 9549..9602, 9550..9588, 9648..9740, 9744..9878		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o1.gp	Method	AAT/GAP
Start	10428	End	14318
GI	30795_1.R1084	Score	1697
Exons	10428..10793, 11112..11196, 11824..11896, 12005..12190, 13209..13273, 14054..14189, 14288..14318		
GI Descrip.	'1009234 3.0e-49 (L38829) SUP2 gene product [Nicotiana tabacum]'		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o5.np	Method	AAT/NAP
Start	11141	End	17007
GI	1009234	Score	1219
Exons	11141..11191, 11819..11896, 12005..12190, 13209..13273, 14054..14189, 14288..14393, 14616..14766, 15791..15855, 15954..16108, 16193..16255, 16820..17007		
GI Descrip.	(L38829) SUP2 gene product [Nicotiana tabacum]		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	11813	End	16903
GI	none	Score	90
Exons	11813..11896, 11823..11900, 12002..12052, 12002..12034, 12003..12041, 12095..12202, 12117..12185, 12146..12190, 13209..13271, 14050..14184, 14052..14183, 14259..14396, 14261..14395, 14287..14403, 14612..14767, 14615..14767, 14616..14768, 15781..15858, 15786..15857, 15938..16102, 15950..16108, 15951..16109, 15951..16109, 16184..16270, 16188..16271, 16200..16271, 16803..16892, 16820..16903, 16821..16892		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o3.tc	Method	TBLASTX:Cress
Start	11813	End	14399
GI	none	Score	111
Exons	11813..11890, 11967..12041, 12146..12190, 13209..13271, 14055..14207, 14056..14184, 14273..14392, 14281..14394, 14286..14399, 14288..14395		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o7.tm	Method	TBLASTX:Maize

Start	11813	End	13271
GI	none	Score	91
Exons	11813..11896, 11823..11918, 12002..12202, 12002..12034, 12004..12066, 12114..12185, 12146..12190, 13209..13271		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o3.gs	Method	GENSCAN
Start	11933	End	17382
GI	none	Score	.82
Exons	11933..12190, 13209..13273, 14054..14189, 14288..14393, 14616..14766, 15791..15855, 15954..16108, 16193..16255, 17338..17382		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	13209	End	14710
GI	none	Score	123
Exons	13209..13271, 14050..14184, 14052..14195, 14288..14395, 14288..14395, 14290..14400, 14612..14710, 14613..14684, 14615..14710		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o5.tm	Method	TBLASTX:Maize
Start	14080	End	14769
GI	none	Score	95
Exons	14080..14184, 14082..14207, 14085..14192, 14288..14395, 14289..14396, 14290..14400, 14612..14767, 14614..14769, 14615..14767, 14638..14769		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o2.tc	Method	TBLASTX:Cress
Start	14612	End	16903
GI	none	Score	82
Exons	14612..14767, 14614..14769, 14615..14767, 15786..15857, 15788..15850, 15793..15858, 15935..16108, 15936..16109, 15950..16108, 15951..16112, 16184..16270, 16188..16271, 16190..16288, 16194..16271, 16818..16892, 16820..16903, 16821..16892		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-
Start	11933	End	17382
Name	OJ990401_09.9923.C5.o2.tw	Method	TBLASTX:Wheat
Start	15792	End	16270
GI	none	Score	81
Exons	15792..15857, 15950..16120, 15954..16091, 16190..16270		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15119	Strand	-

Start	11933	End	17382
Name	OJ990401_09.9923.C5.o8.tm	Method	TBLASTX:Maize
Start	15792	End	16270
GI	none	Score	87
Exons	15792..15857, 15950..16120, 15951..16091, 16190..16270		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15120	Strand	
Start	18230	End	18620
Name	OJ990401_09.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	18230	End	18620
GI	none	Score	35
Exons	18230..18244, 18242..18289, 18275..18313, 18281..18619, 18357..18512, 18413..18619, 18558..18620		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15121	Strand	
Start	18811	End	19004
Name	OJ990401_09.9923.C5.o3.tm	Method	TBLASTX:Maize
Start	18811	End	19004
GI	none	Score	289
Exons	18811..19002, 18811..19002, 18816..19004, 18822..19004		

Seq. No.	7172	Seq. ID	OJ990401_09.9923.C5
Gene No.	15122	Strand	
Start	34578	End	34857
Name	OJ990401_09.9923.C5.o6.tm	Method	TBLASTX:Maize
Start	34578	End	34857
GI	none	Score	234
Exons	34578..34847, 34579..34857, 34633..34848		

Seq. No.	7173	Seq. ID	OJ990401_09.9923.C6
Gene No.	15123	Strand	+
Start	1	End	1423
Name	OJ990401_09.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	1423
GI	4581164	Score	500
Exons	1..540, 1398..1423		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7173	Seq. ID	OJ990401_09.9923.C6
Gene No.	15123	Strand	+
Start	1	End	1423
Name	OJ990401_09.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	5	End	441
GI	none	Score	100
Exons	5..106, 106..441, 117..419, 121..441		

Seq. No.	7173	Seq. ID	OJ990401_09.9923.C6
Gene No.	15123	Strand	+
Start	1	End	1423
Name	OJ990401_09.9923.C6.o1.ts	Method	TBLASTX:Soybean
Start	106	End	417
GI	none	Score	218
Exons	106..417, 126..227, 310..414		

Seq. No. 7173
 Gene No. 15123
 Start 1
 Name OJ990401_09.9923.C6.o1.tw
 Start 106
 GI none
 Exons 106..546, 168..509

Seq. ID OJ990401_09.9923.C6
 Strand +
 End 1423
 Method TBLASTX:Wheat
 End 546
 Score 338

Seq. No. 7173
 Gene No. 15123
 Start 1
 Name OJ990401_09.9923.C6.o2.tm
 Start 521
 GI none
 Exons 521..799, 522..818

Seq. ID OJ990401_09.9923.C6
 Strand +
 End 1423
 Method TBLASTX:Maize
 End 818
 Score 304

Seq. No. 7174
 Gene No. 15124
 Start 3491
 Name OJ990401_09.9923.C7.o1.np
 Start 3491
 GI 5020219
 Exons 3491..4348, 5446..5492

Seq. ID OJ990401_09.9923.C7
 Strand +
 End 9298
 Method AAT/NAP
 End 5492
 Score 258

GI Descrip. (AF149919) wax synthase [Simmondsia chinensis]

Seq. No. 7174
 Gene No. 15124
 Start 3491
 Name OJ990401_09.9923.C7.o2.np
 Start 3820
 GI 4680203
 Exons 3820..3850, 5145..6800, 6954..7184, 7461..8266, 9256..9298

Seq. ID OJ990401_09.9923.C7
 Strand +
 End 9298
 Method AAT/NAP
 End 9298
 Score 2935

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No. 7174
 Gene No. 15124
 Start 3491
 Name OJ990401_09.9923.C7.o1.gp
 Start 5149
 GI 342 1.R1084
 Exons 5149..8314

Seq. ID OJ990401_09.9923.C7
 Strand +
 End 9298
 Method AAT/GAP
 End 8314
 Score 4918

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No. 7174
 Gene No. 15124
 Start 3491
 Name OJ990401_09.9923.C7.o4.tw
 Start 5470
 GI none
 Exons 5470..5589, 5502..5627, 5586..5831, 5596..5847, 5600..5830

Seq. ID OJ990401_09.9923.C7
 Strand +
 End 9298
 Method TBLASTX:Wheat
 End 5847
 Score 90

Seq. No. 7174
 Gene No. 15124
 Start 3491
 Name OJ990401_09.9923.C7.o1.ts
 Start 5768

Seq. ID OJ990401_09.9923.C7
 Strand +
 End 9298
 Method TBLASTX:Soybean
 End 6196

GI	none	Score	100
Exons	5768..5833, 5769..5843, 5928..6131, 5933..6109, 6119..6178, 6128..6196		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o2.tc	Method	TBLASTX:Cress
Start	5936	End	6277
GI	none	Score	149
Exons	5936..6082, 5937..6125, 6130..6258, 6131..6277		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o2.tw	Method	TBLASTX:Wheat
Start	6063	End	6534
GI	none	Score	68
Exons	6063..6119, 6074..6121, 6130..6219, 6131..6223, 6227..6325, 6232..6324, 6235..6327, 6305..6529, 6326..6529, 6328..6534, 6430..6534		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	6131	End	6565
GI	none	Score	223
Exons	6131..6346, 6131..6346, 6374..6565		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o2.ts	Method	TBLASTX:Soybean
Start	6398	End	6598
GI	none	Score	200
Exons	6398..6598		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o3.tw	Method	TBLASTX:Wheat
Start	6656	End	7066
GI	none	Score	87
Exons	6656..6706, 6657..6719, 6705..6947, 6725..6907, 6736..6948, 6975..7064, 6980..7066, 6981..7064		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	6981	End	7459
GI	none	Score	285
Exons	6981..7457, 7250..7459		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+

Start	3491	End	9298
Name	OJ990401_09.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	7067	End	8260
GI	none	Score	932
Exons	7067..7969, 7068..7985, 7653..7970, 7978..8019, 7979..8029, 7980..8024, 8030..8122, 8031..8090, 8069..8209, 8070..8198, 8100..8216, 8222..8260, 8223..8255		

Seq. No.	7174	Seq. ID	OJ990401_09.9923.C7
Gene No.	15124	Strand	+
Start	3491	End	9298
Name	OJ990401_09.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	7355	End	7803
GI	none	Score	141
Exons	7355..7792, 7355..7798, 7359..7802, 7552..7803, 7653..7802		

Seq. No.	7175	Seq. ID	OJ990401_09.9923.C8
Gene No.	15125	Strand	+
Start	443	End	2487
Name	OJ990401_09.9923.C8.o1.gs	Method	GENSCAN
Start	443	End	2487
GI	none	Score	.59
Exons	443..677, 1217..1341, 1774..1881, 2155..2226, 2247..2487		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15126	Strand	+
Start	1	End	12459
Name	OJ990401_09.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	5460
GI	4544372	Score	439
Exons	1..31, 1218..1990, 5422..5460		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15126	Strand	+
Start	1	End	12459
Name	OJ990401_09.9923.C9.o1.gs	Method	GENSCAN
Start	388	End	6059
GI	none	Score	.51
Exons	388..561, 652..980, 1096..1570, 1715..2019, 2137..2317, 2414..2949, 3021..3169, 3245..3557, 3626..3884, 3962..4303, 4616..4699, 4779..4944, 4993..5253, 5857..6059		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15126	Strand	+
Start	1	End	12459
Name	OJ990401_09.9923.C9.o2.np	Method	AAT/NAP
Start	2289	End	8821
GI	6063554	Score	300
Exons	2289..2393, 6678..6766, 7110..7303, 7983..8011, 8648..8821		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15126	Strand	+

Start	1	End	12459
Name	OJ990401_09.9923.C9.o3.np	Method	AAT/NAP
Start	8238	End	12459
GI	4680203	Score	126
Exons	8238..8266, 12268..12459		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15127	Strand	+
Start	16834	End	19770
Name	OJ990401_09.9923.C9.o3.gs	Method	GENSCAN
Start	16834	End	19770
GI	none	Score	.64
Exons	16834..16841, 17182..17308, 18841..19041, 19393..19666, 19724..19770		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15128	Strand	+
Start	27278	End	27771
Name	OJ990401_09.9923.C9.o4.gp	Method	AAT/GAP
Start	27278	End	27771
GI	38782_1.R1084.	Score	805
Exons	27278..27771		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15129	Strand	+
Start	27891	End	33225
Name	OJ990401_09.9923.C9.o5.gs	Method	GENSCAN
Start	27891	End	33225
GI	none	Score	.44
Exons	27891..27893, 27929..28099, 28159..28280, 28506..28783, 29208..30587, 30808..32576, 32608..33225		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15129	Strand	+
Start	27891	End	33225
Name	OJ990401_09.9923.C9.o6.np	Method	AAT/NAP
Start	29327	End	33220
GI	4680179	Score	3660
Exons	29327..30398, 30501..33220		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15130	Strand	+
Start	38622	End	39682
Name	OJ990401_09.9923.C9.o7.gs	Method	GENSCAN
Start	38622	End	39682
GI	none	Score	.63
Exons	38622..38696, 38855..39682		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15131	Strand	+
Start	49228	End	53103
Name	OJ990401_09.9923.C9.o9.gs	Method	GENSCAN
Start	49228	End	53103

GI	none	Score	.8
Exons	49228..49860, 49952..50027, 50116..51064, 51201..51798, 51886..52023, 52308..52616, 52647..52741, 52866..53103		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15132	Strand	+
Start	62965	End	63768
Name	OJ990401_09.9923.C9.o11.gs	Method	GENSCAN
Start	62965	End	63768
GI	none	Score	.95
Exons	62965..63768		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15133	Strand	+
Start	66549	End	69252
Name	OJ990401_09.9923.C9.o12.gs	Method	GENSCAN
Start	66549	End	69252
GI	none	Score	.49
Exons	66549..66940, 67126..67289, 68581..68683, 68774..68889, 68916..68933, 69209..69252		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15133	Strand	+
Start	66549	End	69252
Name	OJ990401_09.9923.C9.o10.np	Method	AAT/NAP
Start	66601	End	68130
GI	3868859	Score	78
Exons	66601..66918, 68102..68130		
GI Descrip.	(AB013887) RAV2 [Arabidopsis thaliana] gi 6358760 gb AAF07342.1 AC011665_1 (AC011665) putative DNA-binding protein (RAV2-like) [Arabidopsis thaliana] gi 6524177 gb AAF15062.1 AC011914_4 (AC011914) RAV2 [Arabidopsis thaliana]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15134	Strand	+
Start	71387	End	71780
Name	OJ990401_09.9923.C9.o5.gp	Method	AAT/GAP
Start	71387	End	71780
GI	uC-osrocyp034b07a1	Score	788
Exons	71387..71780		
GI Descrip.	'2191127 1.0e-24 (AF007269) A_IG002N01.1 gene product [Arabidopsis thaliana]'		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15135	Strand	-
Start	6211	End	15448
Name	OJ990401_09.9923.C9.o2.gs	Method	GENSCAN
Start	6211	End	15448
GI	none	Score	.58
Exons	6211..6257, 6717..6889, 6940..7264, 7339..7608, 8551..8676, 8887..8982, 10528..10609, 11320..11452, 13903..14029, 15355..15448		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15135	Strand	-
Start	6211	End	15448

Name	OJ990401_09.9923.C9.o2.gp	Method	AAT/GAP
Start	12270	End	12543
GI	LIB3431-028-P1-N1-A10	Score	410
Exons	12270..12445, 12473..12543		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15136	Strand	-
Start	17354	End	19625
Name	OJ990401_09.9923.C9.o4.np	Method	AAT/NAP
Start	17354	End	19625
GI	2288899	Score	36
Exons	17354..17379, 19400..19625		
GI Descrip.	(AJ000552) VP1 protein homologue [Craterostigma plantagineum]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15137	Strand	-
Start	19847	End	27025
Name	OJ990401_09.9923.C9.o5.np	Method	AAT/NAP
Start	19847	End	24106
GI	6815052	Score	1471
Exons	19847..19968, 20225..20303, 20383..21092, 21141..21285, 22060..22153, 23069..23159, 23465..23588, 23852..23930, 23957..24106		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15137	Strand	-
Start	19847	End	27025
Name	OJ990401_09.9923.C9.o4.gs	Method	GENSCAN
Start	20458	End	27025
GI	none	Score	.52
Exons	20458..20600, 21141..21288, 22131..22184, 23069..23162, 23366..23463, 23936..24081, 24518..24561, 25159..25561, 26606..26741, 26975..27025		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15137	Strand	-
Start	19847	End	27025
Name	OJ990401_09.9923.C9.o3.gp	Method	AAT/GAP
Start	25958	End	26149
GI	5667165	Score	356
Exons	25958..26149		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15138	Strand	-
Start	43452	End	47358
Name	OJ990401_09.9923.C9.o7.np	Method	AAT/NAP
Start	43452	End	47358
GI	6539553	Score	6713
Exons	43452..47358		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15139	Strand	-
Start	53518	End	59372
Name	OJ990401_09.9923.C9.o8.np	Method	AAT/NAP
Start	53375	End	59258
GI	4378066	Score	3063
Exons	53375..58391, 58848..58993, 59063..59258		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15139	Strand	-
Start	53518	End	59372
Name	OJ990401_09.9923.C9.o10.gs	Method	GENSCAN
Start	53518	End	59372
GI	none	Score	.53
Exons	53518..54425, 54486..54928, 55001..55635, 55695..56081, 56145..56864, 57072..58568, 58598..58810, 58902..59372		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o14.ts	Method	TBLASTX:Soybean
Start	598	End	57137
GI	none	Score	189
Exons	598..936, 56868..57137		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o15.tw	Method	TBLASTX:Wheat
Start	628	End	57056
GI	none	Score	61
Exons	628..714, 56697..56918, 56698..56919, 56925..57056		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o12.ts	Method	TBLASTX:Soybean
Start	1343	End	56453
GI	none	Score	122
Exons	1343..1567, 1574..1708, 31257..31391, 56088..56222, 56229..56453		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o6.tm	Method	TBLASTX:Maize
Start	1436	End	56364
GI	none	Score	226
Exons	1436..1762, 1447..1662, 31212..31457, 56007..56354, 56007..56363, 56008..56364		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-

Start	71574	End	72214
Name	OJ990401_09.9923.C9.o4.tw	Method	TBLASTX:Wheat
Start	1529	End	56267
GI	none	Score	155
Exons	1529..1756, 1772..1885, 31079..31534, 31080..31562, 31107..31553, 55962..56267		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o9.tm	Method	TBLASTX:Maize
Start	1772	End	56003
GI	none	Score	120
Exons	1772..1960, 31458..31628, 31635..31949, 31658..31927, 55875..56003		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o7.tw	Method	TBLASTX:Wheat
Start	1886	End	55923
GI	none	Score	66
Exons	1886..1987, 31563..31907, 31565..31813, 55504..55659, 55522..55650, 55662..55922, 55662..55922, 55726..55923		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o10.ts	Method	TBLASTX:Soybean
Start	5800	End	6039
GI	none	Score	52
Exons	5800..5841, 5805..6038, 5878..6039		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o12.tw	Method	TBLASTX:Wheat
Start	29561	End	29938
GI	none	Score	268
Exons	29561..29938		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o14.tm	Method	TBLASTX:Maize
Start	29819	End	30220
GI	none	Score	232
Exons	29819..30220		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o14.tw	Method	TBLASTX:Wheat
Start	30536	End	30938
GI	none	Score	145
Exons	30536..30679, 30536..30589, 30580..30678, 30764..30919, 30768..30938		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o15.tm	Method	TBLASTX:Maize
Start	30951	End	31148
GI	none	Score	196
Exons	30951..31148, 31001..31147		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o1.ts	Method	TBLASTX:Soybean
Start	31503	End	55958
GI	none	Score	56
Exons	31503..31535, 31503..31535, 31520..31615, 31539..31898, 31539..31847, 31655..31870, 55668..55958		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o2.tw	Method	TBLASTX:Wheat
Start	31913	End	32352
GI	none	Score	603
Exons	31913..32338, 31914..32339, 31975..32352		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o9.ts	Method	TBLASTX:Soybean
Start	31920	End	55413
GI	none	Score	214
Exons	31920..32165, 31949..32047, 55306..55413		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o3.tm	Method	TBLASTX:Maize
Start	31983	End	32339
GI	none	Score	471
Exons	31983..32336, 31986..32339, 31988..32338		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o5.tw	Method	TBLASTX:Wheat
Start	32382	End	32907
GI	none	Score	97
Exons	32382..32549, 32526..32903, 32556..32903, 32557..32907		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o12.tm	Method	TBLASTX:Maize
Start	32554	End	32871
GI	none	Score	261
Exons	32554..32871, 32593..32856, 32667..32870		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o3.tc	Method	TBLASTX:Cress
Start	32614	End	32931
GI	none	Score	94
Exons	32614..32787, 32635..32787, 32788..32931, 32790..32915		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o6.ts	Method	TBLASTX:Soybean
Start	32700	End	32955
GI	none	Score	296
Exons	32700..32954, 32707..32955, 32827..32955		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o4.tm	Method	TBLASTX:Maize
Start	32872	End	54084
GI	none	Score	461
Exons	32872..33189, 32874..33185, 32887..33192, 45538..45699, 53869..54084		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o8.tw	Method	TBLASTX:Wheat
Start	32913	End	54087
GI	none	Score	362
Exons	32913..33191, 32914..33195, 32942..33220, 53869..54087		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o3.tw	Method	TBLASTX:Wheat
Start	43588	End	44064
GI	none	Score	351
Exons	43588..43974, 43626..43973, 43989..44063, 43993..44064		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o8.ts	Method	TBLASTX:Soybean
Start	43716	End	44057
GI	none	Score	79
Exons	43716..43925, 43795..43920, 43944..44057, 43951..44031		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o11.tm	Method	TBLASTX:Maize
Start	43920	End	44259
GI	none	Score	196
Exons	43920..44258, 43921..44259		

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o5.ts
 Start 44070
 GI none
 Exons 44070..44414, 44215..44415

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Soybean
 End 44415
 Score 118

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o6.tw
 Start 44268
 GI none
 Exons 44268..44474, 44278..44400, 44469..44813, 44493..44666

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Wheat
 End 44813
 Score 48

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o7.tm
 Start 44349
 GI none
 Exons 44349..44813, 44452..44562, 44496..44678, 44632..44814

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Maize
 End 44814
 Score 53

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o3.ts
 Start 44484
 GI 5509260
 Exons 44484..44948, 44503..44562, 44635..44730, 44779..44847
 GI Descrip. -

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Soybean
 End 44948
 Score 58

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o2.tc
 Start 44595
 GI none
 Exons 44595..44855

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Cress
 End 44855
 Score 286

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o1.tw
 Start 44868
 GI none
 Exons 44868..45107, 44869..45027, 44885..45115, 44888..45103, 45136..45381, 45147..45383, 45159..45380, 45173..45382, 45367..45624, 45380..45616

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Wheat
 End 45624
 Score 200

Seq. No. 7176
 Gene No. 15140
 Start 71574
 Name OJ990401_09.9923.C9.o7.ts
 Start 45273

Seq. ID OJ990401_09.9923.C9
 Strand -
 End 72214
 Method TBLASTX:Soybean
 End 45672

GI	none	Score	97
Exons	45273..45380, 45379..45447, 45448..45672, 45494..45664		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o11.tw	Method	TBLASTX:Wheat
Start	45625	End	45816
GI	none	Score	186
Exons	45625..45816, 45625..45816		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o11.ts	Method	TBLASTX:Soybean
Start	45682	End	46068
GI	none	Score	88
Exons	45682..45930, 45913..46068		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o5.tm	Method	TBLASTX:Maize
Start	46095	End	46417
GI	none	Score	389
Exons	46095..46286, 46096..46410, 46097..46390, 46163..46417		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o8.tm	Method	TBLASTX:Maize
Start	46916	End	47229
GI	none	Score	288
Exons	46916..47221, 46918..47229		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o9.tw	Method	TBLASTX:Wheat
Start	46977	End	47364
GI	none	Score	250
Exons	46977..47240, 46978..47364, 46979..47353		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o13.ts	Method	TBLASTX:Soybean
Start	53950	End	54309
GI	none	Score	90
Exons	53950..54168, 54181..54309		
Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o13.tw	Method	TBLASTX:Wheat
Start	54097	End	54486
GI	none	Score	246

Exons 54097..54486

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o10.tm	Method	TBLASTX:Maize
Start	54136	End	54594
GI	none	Score	47
Exons	54136..54594, 54137..54229, 54275..54469		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o10.tw	Method	TBLASTX:Wheat
Start	54796	End	55228
GI	none	Score	211
Exons	54796..55227, 54797..55228		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o13.tm	Method	TBLASTX:Maize
Start	55597	End	55869
GI	none	Score	156
Exons	55597..55662, 55662..55868, 55702..55869		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o2.ts	Method	TBLASTX:Soybean
Start	71530	End	71909
GI	none	Score	182
Exons	71530..71796, 71574..71909, 71574..71909		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o2.tm	Method	TBLASTX:Maize
Start	71550	End	71849
GI	none	Score	336
Exons	71550..71849, 71554..71811, 71627..71848		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o1.tc	Method	TBLASTX:Cress
Start	71574	End	72206
GI	none	Score	321
Exons	71574..72206, 71578..71994, 71903..72022, 72100..72195		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o13.gs	Method	GENSCAN
Start	71574	End	72203
GI	none	Score	.8
Exons	71574..72203		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o11.np	Method	AAT/NAP
Start	71577	End	72107
GI	2191127	Score	737
Exons	71577..72107		
GI Descrip.	(AF007269) A_IG002N01.1 gene product [Arabidopsis thaliana]		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	71850	End	72214
GI	none	Score	363
Exons	71850..72206, 71850..72206, 71900..72214		

Seq. No.	7176	Seq. ID	OJ990401_09.9923.C9
Gene No.	15140	Strand	-
Start	71574	End	72214
Name	OJ990401_09.9923.C9.o4.ts	Method	TBLASTX:Soybean
Start	71910	End	72206
GI	none	Score	127
Exons	71910..72206, 71913..72206		

Seq. No.	7177	Seq. ID	OJ990401_09.9923.C11
Gene No.	15141	Strand	+
Start	104	End	236
Name	OJ990401_09.9923.C11.o1.gs	Method	GENSCAN
Start	104	End	236
GI	none	Score	.5
Exons	104..236		

Seq. No.	7178	Seq. ID	OJ990401_09.9923.C12
Gene No.	15142	Strand	+
Start	1	End	689
Name	OJ990401_09.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	689
GI	5902445	Score	485
Exons	1..689		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7178	Seq. ID	OJ990401_09.9923.C12
Gene No.	15143	Strand	-
Start	325	End	624
Name	OJ990401_09.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	59	End	297
GI	none	Score	91
Exons	59..139, 61..138, 142..297, 151..279		

Seq. No.	7178	Seq. ID	OJ990401_09.9923.C12
Gene No.	15143	Strand	-
Start	325	End	624
Name	OJ990401_09.9923.C12.o1.gs	Method	GENSCAN
Start	325	End	624
GI	none	Score	.48

Exons 325..411, 532..624

Seq. No.	7178	Seq. ID	OJ990401_09.9923.C12
Gene No.	15143	Strand	-
Start	325	End	624
Name	OJ990401_09.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	364	End	570
GI	none	Score	172
Exons	364..519, 367..570, 381..569		

Seq. No.	7179	Seq. ID	OJ990421_08.9923.C1
Gene No.	15144	Strand	+
Start	2	End	247
Name	OJ990421_08.9923.C1.o1.gs	Method	GENSCAN
Start	2	End	247
GI	none	Score	.99
Exons	2..247		

Seq. No.	7180	Seq. ID	OJ990421_08.9923.C2
Gene No.	15145	Strand	-
Start	1	End	105
Name	OJ990421_08.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	105
GI	2792222	Score	172
Exons	1..105		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	7181	Seq. ID	OJ990421_08.9923.C5
Gene No.	15146	Strand	+
Start	60	End	469
Name	OJ990421_08.9923.C5.o1.gs	Method	GENSCAN
Start	60	End	469
GI	none	Score	.72
Exons	60..469		

Seq. No.	7182	Seq. ID	OJ990421_08.9923.C7
Gene No.	15147	Strand	+
Start	1	End	538
Name	OJ990421_08.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	538
GI	4581143	Score	86
Exons	1..28, 401..538		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7183	Seq. ID	OJ990421_08.9923.C8
Gene No.	15148	Strand	+
Start	1	End	616
Name	OJ990421_08.9923.C8.o1.np	Method	AAT/NAP
Start	1	End	590
GI	3810596	Score	241
Exons	1..590		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7183	Seq. ID	OJ990421_08.9923.C8
Gene No.	15148	Strand	+
Start	1	End	616

Name	OJ990421_08.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	60	End	616
GI	none	Score	407
Exons	60..545, 170..355, 511..606, 548..616, 552..611		
Seq. No.	7183	Seq. ID	OJ990421_08.9923.C8
Gene No.	15148	Strand	+
Start	1	End	616
Name	OJ990421_08.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	60	End	395
GI	none	Score	308
Exons	60..395, 147..347, 164..355		
Seq. No.	7183	Seq. ID	OJ990421_08.9923.C8
Gene No.	15148	Strand	+
Start	1	End	616
Name	OJ990421_08.9923.C8.o1.gs	Method	GENSCAN
Start	69	End	453
GI	none	Score	.4
Exons	69..453		
Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15149	Strand	+
Start	1	End	2118
Name	OJ990421_08.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	1128
GI	2792238	Score	1565
Exons	1..1128		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15149	Strand	+
Start	1	End	2118
Name	OJ990421_08.9923.C9.o2.np	Method	AAT/NAP
Start	1	End	1832
GI	2258317	Score	406
Exons	1..1671, 1786..1832		
GI Descrip.	(AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		
Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15149	Strand	+
Start	1	End	2118
Name	OJ990421_08.9923.C9.o1.gs	Method	GENSCAN
Start	97	End	2118
GI	none	Score	.94
Exons	97..2118		
Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15150	Strand	+
Start	2505	End	2931
Name	OJ990421_08.9923.C9.o1.gp	Method	AAT/GAP
Start	2505	End	2931
GI	none	Score	822
Exons	2505..2931		
Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9

Gene No.	15151	Strand	+
Start	7773	End	9215
Name	OJ990421_08.9923.C9.o3.hp	Method	AAT/NAP
Start	7773	End	9215
GI	2792238	Score	1499
Exons	7773..9215		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	9056
GI	none	Score	89
Exons	1..228, 334..444, 555..575, 748..969, 7836..8018, 8076..8318, 8424..8519, 8850..9056		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o5.tm	Method	TBLASTX:Maize
Start	115	End	8600
GI	none	Score	344
Exons	115..513, 115..282, 297..422, 322..429, 7800..8006, 7983..8054, 8133..8210, 8199..8600, 8235..8519		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o3.ts	Method	TBLASTX:Soybean
Start	127	End	8690
GI	none	Score	81
Exons	127..246, 259..462, 535..600, 7950..8030, 8064..8189, 8256..8366, 8352..8561, 8628..8690		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o6.tw	Method	TBLASTX:Wheat
Start	130	End	8504
GI	none	Score	105
Exons	130..270, 147..275, 289..414, 8220..8360, 8237..8335, 8378..8464, 8379..8504		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o7.tm	Method	TBLASTX:Maize
Start	628	End	9269
GI	none	Score	297
Exons	628..1224, 780..1091, 796..1143, 1107..1196, 8868..8963, 8871..9269, 8924..9178		

Seq. No.	7184	Seq. ID	OJ990421_08.9923.C9
Gene No.	15152	Strand	-
Start	13119	End	15887
Name	OJ990421_08.9923.C9.o5.ts	Method	TBLASTX:Soybean

Start 760
 GI none
 Exons 760..1083, 8841..9170

End 9170
 Score 186

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o4.np
 Start 13119
 GI 6466937
 Exons 13119..15887
 GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method AAT/NAP
 End 15887
 Score 2042

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o4.tm
 Start 13223
 GI none
 Exons 13223..13291, 13228..13287, 13233..13328, 13294..13809, 13484..13669

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Maize
 End 13809
 Score 72

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o5.tw
 Start 13444
 GI none
 Exons 13444..13647, 13484..13636

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Wheat
 End 13647
 Score 102

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o2.tw
 Start 13648
 GI none
 Exons 13648..13770, 13846..14232, 13901..14140

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Wheat
 End 14232
 Score 110

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o1.tm
 Start 13852
 GI none
 Exons 13852..14487, 13853..14374, 13903..14481

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Maize
 End 14487
 Score 392

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o1.ts
 Start 14080
 GI none
 Exons 14080..14463, 14081..14434

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Soybean
 End 14463
 Score 153

Seq. No. 7184
 Gene No. 15152

Seq. ID OJ990421_08.9923.C9
 Strand -

Start 13119
 Name OJ990421_08.9923.C9.o1.tw
 Start 14320
 GI none
 Exons 14320..14721, 14321..14578

End 15887
 Method TBLASTX:Wheat
 End 14721
 Score 133

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o6.tm
 Start 14488
 GI none
 Exons 14488..14718, 14737..14913, 14741..14911

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Maize
 End 14913
 Score 157

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o4.ts
 Start 14899
 GI none
 Exons 14899..15153, 14956..15150, 15005..15154

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Soybean
 End 15154
 Score 91

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o2.tm
 Start 14914
 GI none
 Exons 14914..15441, 14915..15241, 15290..15406

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Maize
 End 15441
 Score 220

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o3.tw
 Start 15064
 GI none
 Exons 15064..15465

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Wheat
 End 15465
 Score 326

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o2.ts
 Start 15178
 GI none
 Exons 15178..15537

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Soybean
 End 15537
 Score 292

Seq. No. 7184
 Gene No. 15152
 Start 13119
 Name OJ990421_08.9923.C9.o3.tm
 Start 15460
 GI none
 Exons 15460..15885, 15461..15877

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887
 Method TBLASTX:Maize
 End 15885
 Score 263

Seq. No. 7184
 Gene No. 15152
 Start 13119

Seq. ID OJ990421_08.9923.C9
 Strand -
 End 15887

Name	OJ990421_08.9923.C9.o4.tw	Method	TBLASTX:Wheat
Start	15514	End	15886
GI	none	Score	51
Exons	15514..15885, 15518..15619, 15556..15879, 15641..15886		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15153	Strand	-
Start	83	End	2076
Name	OJ990421_08.9923.C10.o1.gs	Method	GENSCAN
Start	83	End	2076
GI	none	Score	.66
Exons	83..351, 786..2076		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15154	Strand	-
Start	2527	End	7208
Name	OJ990421_08.9923.C10.o2.gs	Method	GENSCAN
Start	2527	End	7208
GI	none	Score	.51
Exons	2527..2801, 3349..3526, 4106..4184, 4267..4382, 4422..4577, 5837..6096, 6956..7208		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15155	Strand	-
Start	7559	End	8160
Name	OJ990421_08.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	331
GI	none	Score	89
Exons	2..331, 3..146, 5..247, 210..326		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15155	Strand	-
Start	7559	End	8160
Name	OJ990421_08.9923.C10.o3.tm	Method	TBLASTX:Maize
Start	469	End	774
GI	none	Score	75
Exons	469..774, 494..697		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15155	Strand	-
Start	7559	End	8160
Name	OJ990421_08.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	904	End	1371
GI	none	Score	89
Exons	904..1107, 1204..1371, 1205..1318		
Seq. No.	7185	Seq. ID	OJ990421_08.9923.C10
Gene No.	15155	Strand	-
Start	7559	End	8160
Name	OJ990421_08.9923.C10.o2.np	Method	AAT/NAP
Start	7559	End	8160
GI	6691203	Score	82
Exons	7559..7663, 8086..8160		
GI Descrip.	(AC007508) F1K23.7 [Arabidopsis thaliana]		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15156	Strand	+

Start	2141	End	5081
Name	OJ990421_08.9923.C11.o1.np	Method	AAT/NAP
Start	2141	End	5078
GI	6691716	Score	2303
Exons	2141..3025, 3223..3398, 3481..3748, 3925..4119, 4195..4298, 4448..4560, 4633..5078		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15156	Strand	+
Start	2141	End	5081
Name	OJ990421_08.9923.C11.o2.gs	Method	GENSCAN
Start	2141	End	5081
GI	none	Score	.86
Exons	2141..3025, 3223..3398, 3481..3812, 3932..4119, 4195..4384, 4456..4560, 4633..5081		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15157	Strand	-
Start	366	End	1163
Name	OJ990421_08.9923.C11.o1.gs	Method	GENSCAN
Start	366	End	1163
GI	none	Score	.79
Exons	366..564, 655..738, 1096..1163		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15157	Strand	-
Start	366	End	1163
Name	OJ990421_08.9923.C11.o1.gp	Method	AAT/GAP
Start	661	End	840
GI	uC-osflcyp177g01a1	Score	237
Exons	661..840		
GI Descrip.	'4884864/gb AAD31846.1 AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15158	Strand	-
Start	5394	End	14480
Name	OJ990421_08.9923.C11.o3.gs	Method	GENSCAN
Start	5394	End	12625
GI	none	Score	.55
Exons	5394..8555, 8691..11555, 11922..12048, 12441..12625		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15158	Strand	-
Start	5394	End	14480
Name	OJ990421_08.9923.C11.o2.np	Method	AAT/NAP
Start	5430	End	11498
GI	5922631	Score	6648
Exons	5430..7957, 8564..9487, 9614..9762, 9805..10376, 10422..10624, 10859..11115, 11374..11498		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs		

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15158	Strand	-
Start	5394	End	14480
Name	OJ990421_08.9923.C11.o3.np	Method	AAT/NAP
Start	12446	End	14480
GI	2275208	Score	101
Exons	12446..12559, 14420..14480		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o7.tm	Method	TBLASTX:Maize
Start	490	End	15746
GI	none	Score	120
Exons	490..597, 492..578, 657..683, 11988..12092, 11989..12093, 11989..12111, 11990..12124, 15433..15531, 15435..15530, 15602..15631, 15629..15739, 15633..15746, 15634..15738		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o9.tw	Method	TBLASTX:Wheat
Start	2260	End	2551
GI	none	Score	220
Exons	2260..2343, 2261..2551, 2443..2514		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o6.tw	Method	TBLASTX:Wheat
Start	5406	End	6020
GI	none	Score	62
Exons	5406..5543, 5410..5532, 5529..5687, 5742..6020, 5758..5859, 5911..6000		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o5.tm	Method	TBLASTX:Maize
Start	5445	End	5678
GI	none	Score	102
Exons	5445..5546, 5446..5547, 5526..5678, 5527..5577		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o9.tm	Method	TBLASTX:Maize
Start	5790	End	6063
GI	none	Score	56
Exons	5790..5876, 5886..5969, 5899..5973, 5956..6063, 5964..6062		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
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Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o4.tw	Method	TBLASTX:Wheat
Start	6135	End	6522
GI	none	Score	107
Exons	6135..6320, 6135..6521, 6211..6522		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	6165	End	6527
GI	none	Score	67
Exons	6165..6212, 6166..6213, 6193..6507, 6204..6527, 6217..6507		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o10.tw	Method	TBLASTX:Wheat
Start	6525	End	6824
GI	none	Score	129
Exons	6525..6665, 6690..6824		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o5.tw	Method	TBLASTX:Wheat
Start	6840	End	7262
GI	none	Score	261
Exons	6840..7262, 6850..7254		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o2.ts	Method	TBLASTX:Soybean
Start	6883	End	7271
GI	none	Score	162
Exons	6883..7263, 6885..7127, 7167..7271		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o8.tm	Method	TBLASTX:Maize
Start	6936	End	7209
GI	none	Score	60
Exons	6936..7034, 6937..7002, 7038..7208, 7039..7209		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o3.tw	Method	TBLASTX:Wheat
Start	7299	End	7728
GI	none	Score	129
Exons	7299..7727, 7456..7728		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-

Start	14651	End	22034
Name	OJ990421_08.9923.C11.o4.tm	Method	TBLASTX:Maize
Start	7386	End	7830
GI	none	Score	87
Exons	7386..7412, 7410..7553, 7423..7554, 7575..7829, 7576..7830		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	7497	End	7898
GI	none	Score	58
Exons	7497..7898, 7531..7701, 7656..7865, 7738..7881		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o2.tw	Method	TBLASTX:Wheat
Start	7773	End	8192
GI	none	Score	243
Exons	7773..8192, 7774..8190		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o3.tm	Method	TBLASTX:Maize
Start	8061	End	8417
GI	none	Score	100
Exons	8061..8354, 8061..8417, 8071..8376		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o3.ts	Method	TBLASTX:Soybean
Start	8142	End	8507
GI	none	Score	138
Exons	8142..8276, 8283..8507		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o8.tw	Method	TBLASTX:Wheat
Start	8192	End	8426
GI	none	Score	121
Exons	8192..8320, 8193..8363, 8193..8426, 8194..8406		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	8427	End	9224
GI	none	Score	119
Exons	8427..8720, 8431..8655, 8767..9003, 8769..8999, 9048..9224		

Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034

Name	OJ990421_08.9923.C11.o7.tw	Method	TBLASTX:Wheat
Start	9798	End	10200
GI	none	Score	131
Exons	9798..10199, 9892..10200		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	12440	End	16959
GI	none	Score	164
Exons	12440..12634, 12453..12635, 12629..12712, 12630..12713, 12631..12714, 12631..12720, 12632..12715, 12718..12834, 12728..12835, 12729..12836, 12839..12880, 12840..12881, 16051..16248, 16064..16246, 16192..16323, 16241..16324, 16242..16325, 16242..16346, 16249..16326, 16329..16394, 16342..16419, 16348..16395, 16440..16613, 16440..16613, 16441..16623, 16445..16618, 16534..16623, 16870..16959		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o4.gs	Method	GENSCAN
Start	14651	End	22034
GI	none	Score	.61
Exons	14651..14911, 15393..15507, 15602..15678, 15727..15874, 16052..16620, 16993..17020, 17425..17874, 18068..18186, 18316..18472, 19592..20028, 21027..21157, 21568..21648, 21798..22034		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o4.np	Method	AAT/NAP
Start	16057	End	18150
GI	2275208	Score	273
Exons	16057..16614, 17499..17631, 17683..17843, 17967..18150		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o5.np	Method	AAT/NAP
Start	18812	End	20032
GI	2275207	Score	347
Exons	18812..18929, 19592..20032		
GI Descrip.	(AC002337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7186	Seq. ID	OJ990421_08.9923.C11
Gene No.	15159	Strand	-
Start	14651	End	22034
Name	OJ990421_08.9923.C11.o6.tm	Method	TBLASTX:Maize
Start	18869	End	19906
GI	none	Score	212
Exons	18869..18928, 19590..19673, 19591..19728, 19592..19747, 19822..19887, 19841..19906		

Seq. No.	7187	Seq. ID	OJ990421_08.9923.C12
Gene No.	15160	Strand	-
Start	331	End	393
Name	OJ990421_08.9923.C12.o1.gp	Method	AAT/GAP
Start	331	End	393
GI	2312838	Score	71
Exons	331..393		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	7188	Seq. ID	OJ990421_08.9923.C13
Gene No.	15161	Strand	+
Start	406	End	679
Name	OJ990421_08.9923.C13.o1.gs	Method	GENSCAN
Start	406	End	679
GI	none	Score	.66
Exons	406..679		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15162	Strand	+
Start	2463	End	3699
Name	OJ990421_08.9923.C14.o1.gs	Method	GENSCAN
Start	2463	End	3699
GI	none	Score	.72
Exons	2463..2555, 2888..3020, 3513..3699		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15163	Strand	+
Start	4411	End	13106
Name	OJ990421_08.9923.C14.o1.np	Method	AAT/NAP
Start	4396	End	10606
GI	6553906	Score	1217
Exons	4396..4703, 5435..5861, 5977..6598, 7486..7526, 7608..7676, 7992..8092, 8727..8805, 9382..9480, 9556..9624, 9753..9802, 9894..9975, 10458..10606		
GI Descrip.	(AC012563) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15163	Strand	+
Start	4411	End	13106
Name	OJ990421_08.9923.C14.o2.gs	Method	GENSCAN
Start	4411	End	10808
GI	none	Score	.79
Exons	4411..4602, 4641..4703, 5409..5861, 5977..6598, 7456..7526, 7608..7676, 7992..8092, 8727..8805, 9358..9480, 9556..9624, 9889..9975, 10458..10808		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15163	Strand	+
Start	4411	End	13106
Name	OJ990421_08.9923.C14.o1.gp	Method	AAT/GAP
Start	5692	End	6242
GI	none	Score	1059
Exons	5692..6242		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15163	Strand	+

Start	4411	End	13106
Name	OJ990421_08.9923.C14.o2.gp	Method	AAT/GAP
Start	10432	End	11150
GI	84865_1.R1084	Score	1104
Exons	10432..10552, 10682..11150		
GI Descrip.	'3292831/emb CAA19821.1 4.0e-14 (AL031018) putative serine/threonine kinase [Arabidopsis thaliana]'		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15163	Strand	+
Start	4411	End	13106
Name	OJ990421_08.9923.C14.o2.np	Method	AAT/NAP
Start	10710	End	13106
GI	4581143	Score	123
Exons	10710..10847, 11899..12228, 13065..13106		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	5433	End	6415
GI	none	Score	293
Exons	5433..5720, 5436..5711, 5780..5863, 5793..5888, 5975..6148, 5976..6173, 5977..6198, 5977..6174, 5978..6208, 6154..6300, 6202..6249, 6234..6299, 6310..6414, 6326..6415, 6334..6414		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	5436	End	5717
GI	none	Score	227
Exons	5436..5717, 5558..5668		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	6520	End	10781
GI	none	Score	110
Exons	6520..6603, 6538..6600, 6542..6607, 7483..7527, 7485..7526, 7607..7678, 7608..7685, 7991..8092, 7992..8093, 8752..8805, 9381..9521, 9382..9483, 9387..9485, 9553..9624, 9555..9623, 9752..9802, 9753..9803, 9886..9978, 9892..9978, 9894..9995, 10452..10547, 10454..10552, 10680..10781		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	8006	End	9978
GI	none	Score	139
Exons	8006..8119, 8007..8126, 8725..8805, 8727..8810, 8730..8810, 9381..9518, 9382..9483, 9553..9624, 9555..9626, 9555..9689, 9752..9802, 9753..9803, 9754..9804, 9886..9975, 9892..9978, 9894..9977		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o2.tc	Method	TBLASTX:Cress
Start	8709	End	10796
GI	none	Score	111
Exons	8709..8804, 8716..8805, 9381..9521, 9382..9483, 9392..9487, 9553..9624, 9555..9623, 9752..9802, 9753..9803, 9892..9978, 9894..9995, 10452..10547, 10453..10551, 10453..10551, 10454..10552, 10454..10561, 10680..10796		

Seq. No.	7189	Seq. ID	OJ990421_08.9923.C14
Gene No.	15164	Strand	-
Start	11563	End	12894
Name	OJ990421_08.9923.C14.o3.gs	Method	GENSCAN
Start	11563	End	12894
GI	none	Score	.96
Exons	11563..12310, 12675..12894		

Seq. No.	7190	Seq. ID	OJ990421_08.9923.C15
Gene No.	15165	Strand	+
Start	3542	End	11851
Name	OJ990421_08.9923.C15.o2.np	Method	AAT/NAP
Start	3542	End	11851
GI	6642775	Score	66
Exons	3542..3888, 11829..11851		
GI Descrip.	(AF116598) gag-pol polyprotein [Vitis vinifera]		

Seq. No.	7190	Seq. ID	OJ990421_08.9923.C15
Gene No.	15165	Strand	+
Start	3542	End	11851
Name	OJ990421_08.9923.C15.o1.gp	Method	AAT/GAP
Start	4851	End	6845
GI	none	Score	998
Exons	4851..4926, 6387..6845		

Seq. No.	7190	Seq. ID	OJ990421_08.9923.C15
Gene No.	15166	Strand	-
Start	11422	End	11543
Name	OJ990421_08.9923.C15.o2.gs	Method	GENSCAN
Start	11422	End	11543
GI	none	Score	.67
Exons	11422..11543		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15167	Strand	+
Start	575	End	2649
Name	OJ990421_08.9923.C16.o1.gs	Method	GENSCAN
Start	575	End	2649
GI	none	Score	.59
Exons	575..646, 2043..2067, 2542..2649		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15168	Strand	+
Start	2773	End	2856
Name	OJ990421_08.9923.C16.o1.np	Method	AAT/NAP

Start	2773	End	2856
GI	5852084	Score	79
Exons	2773..2856		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15169	Strand	+
Start	7215	End	8994
Name	OJ990421_08.9923.C16.o2.np	Method	AAT/NAP
Start	7215	End	8994
GI	5669782	Score	1724
Exons	7215..8994		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	7698	End	8658
GI	none	Score	58
Exons	7698..7754, 7849..7977, 8101..8166, 8176..8256, 8320..8487, 8500..8658		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	7903	End	8658
GI	none	Score	162
Exons	7903..8145, 8155..8295, 8344..8487, 8506..8658		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	8120	End	8471
GI	none	Score	396
Exons	8120..8455, 8143..8469, 8146..8469, 8169..8471		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	8403	End	8723
GI	none	Score	273
Exons	8403..8723, 8404..8685		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o2.tw	Method	TBLASTX:Wheat
Start	8689	End	9114
GI	none	Score	70
Exons	8689..8763, 8690..8746, 8776..9114, 8781..9113		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+

Start	10945	End	11553
Name	OJ990421_08.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	8887	End	9750
GI	none	Score	199
Exons	8887..9198, 8889..9074, 9208..9387, 9463..9750		

Seq. No.	7191	Seq. ID	OJ990421_08.9923.C16
Gene No.	15170	Strand	+
Start	10945	End	11553
Name	OJ990421_08.9923.C16.o3.gs	Method	GENSCAN
Start	10945	End	11553
GI	none	Score	.48
Exons	10945..10999, 11416..11553		

Seq. No.	7192	Seq. ID	OJ990421_08.9923.C17
Gene No.	15171	Strand	+
Start	1540	End	3949
Name	OJ990421_08.9923.C17.o1.gs	Method	GENSCAN
Start	1540	End	3949
GI	none	Score	.61
Exons	1540..1684, 2116..2217, 2271..2409, 2420..2726, 3635..3949		

Seq. No.	7192	Seq. ID	OJ990421_08.9923.C17
Gene No.	15171	Strand	+
Start	1540	End	3949
Name	OJ990421_08.9923.C17.o1.np	Method	AAT/NAP
Start	2205	End	2756
GI	5091603	Score	691
Exons	2205..2353, 2420..2756		
GI Descrip.	(AC007858) 10A19I.7 [Oryza sativa]		

Seq. No.	7192	Seq. ID	OJ990421_08.9923.C17
Gene No.	15172	Strand	-
Start	4043	End	4515
Name	OJ990421_08.9923.C17.o2.gs	Method	GENSCAN
Start	4043	End	4515
GI	none	Score	.59
Exons	4043..4230, 4413..4515		

Seq. No.	7193	Seq. ID	OJ990421_08.9923.C19
Gene No.	15173	Strand	+
Start	87	End	187
Name	OJ990421_08.9923.C19.o1.gs	Method	GENSCAN
Start	87	End	187
GI	none	Score	.43
Exons	87..187		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15174	Strand	+
Start	3209	End	8566
Name	OJ990421_08.9923.C21.o2.gs	Method	GENSCAN
Start	3209	End	8239
GI	none	Score	.4
Exons	3209..3217, 3469..3557, 5315..5468, 5664..5915, 6013..6316, 6510..6651, 6779..6824, 7948..8077, 8124..8239		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
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Gene No.	15174	Strand	+
Start	3209	End	8566
Name	OJ990421_08.9923.C21.o3.np	Method	AAT/NAP
Start	6651	End	8566
GI	6907106	Score	343
Exons	6651..6687, 8123..8286, 8321..8566		
GI Descrip.	(AP001129). EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15175	Strand	-
Start	756	End	2010
Name	OJ990421_08.9923.C21.o1.np	Method	AAT/NAP
Start	756	End	1992
GI	2792238	Score	1300
Exons	756..1992		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15175	Strand	-
Start	756	End	2010
Name	OJ990421_08.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1983
GI	none	Score	71
Exons	1162..1563, 1259..1378, 1405..1542, 1663..1701, 1666..1776, 1858..1983		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15175	Strand	-
Start	756	End	2010
Name	OJ990421_08.9923.C21.o1.tc	Method	TBLASTX:Cress
Start	1231	End	2010
GI	none	Score	69
Exons	1231..1341, 1447..1689, 1747..1914, 1933..2010		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15175	Strand	-
Start	756	End	2010
Name	OJ990421_08.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	1246	End	1527
GI	none	Score	66
Exons	1246..1452, 1459..1527		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15175	Strand	-
Start	756	End	2010
Name	OJ990421_08.9923.C21.o1.tw	Method	TBLASTX:Wheat
Start	1259	End	1545
GI	none	Score	43
Exons	1259..1375, 1261..1404, 1399..1545, 1430..1528		

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15176	Strand	-
Start	6528	End	6689
Name	OJ990421_08.9923.C21.o3.tm	Method	TBLASTX:Maize
Start	6528	End	6689
GI	none	Score	178

Exons 6528..6647, 6539..6646, 6626..6649, 6635..6682, 6645..6689

Seq. No.	7194	Seq. ID	OJ990421_08.9923.C21
Gene No.	15177	Strand	
Start	8177	End	8470
Name	OJ990421_08.9923.C21.o2.tm	Method	TBLASTX:Maize
Start	8177	End	8470
GI	none	Score	82
Exons	8177..8269, 8180..8269, 8213..8296, 8220..8294, 8220..8348, 8252..8296, 8286..8321, 8287..8322, 8297..8356, 8337..8465, 8337..8465, 8422..8469, 8423..8470		

Seq. No.	7195	Seq. ID	OJ990421_08.9923.C22
Gene No.	15178	Strand	-
Start	78	End	484
Name	OJ990421_08.9923.C22.o1.gs	Method	GENSCAN
Start	78	End	484
GI	none	Score	.55
Exons	78..169, 221..398, 407..484		

Seq. No.	7196	Seq. ID	OJ990421_08.9923.C23
Gene No.	15179	Strand	+
Start	41	End	340
Name	OJ990421_08.9923.C23.o1.gs	Method	GENSCAN
Start	41	End	340
GI	none	Score	.5
Exons	41..214, 305..340		

Seq. No.	7197	Seq. ID	OJ990421_08.9923.C24
Gene No.	15180	Strand	+
Start	328	End	362
Name	OJ990421_08.9923.C24.o1.gs	Method	GENSCAN
Start	328	End	362
GI	none	Score	.86
Exons	328..362		

Seq. No.	7198	Seq. ID	OJ990401_05.9922.C1
Gene No.	15181	Strand	-
Start	199	End	1438
Name	OJ990401_05.9922.C1.o1.gs	Method	GENSCAN
Start	199	End	1438
GI	none	Score	.66
Exons	199..364, 660..718, 1403..1438		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.np	Method	AAT/NAP
Start	1154	End	6071
GI	5803260	Score	835
Exons	1154..2118, 4618..4731, 4918..6071		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.gs	Method	GENSCAN

Start	1166	End	6074
GI	none	Score	.68
Exons	1166..2138, 4639..4800, 4936..6074		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	1943	End	5879
GI	none	Score	76
Exons	1943..2002, 2030..2110, 4668..4769, 5046..5156, 5090..5155, 5165..5353, 5169..5456, 5453..5572, 5466..5549, 5567..5686, 5568..5708, 5784..5879		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	4965	End	5891
GI	none	Score	56
Exons	4965..5057, 5061..5168, 5171..5365, 5172..5456, 5232..5381, 5466..5549, 5480..5554, 5483..5554, 5570..5704, 5571..5711, 5721..5891		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	4968	End	5714
GI	none	Score	44
Exons	4968..5024, 5061..5168, 5090..5233, 5229..5456, 5456..5551, 5466..5549, 5576..5710, 5586..5714		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	5079	End	5447
GI	none	Score	82
Exons	5079..5168, 5090..5155, 5183..5353, 5184..5447		

Seq. No.	7199	Seq. ID	OJ990401_05.9922.C2
Gene No.	15182	Strand	+
Start	1154	End	6074
Name	OJ990401_05.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	5460	End	5726
GI	none	Score	104
Exons	5460..5549, 5579..5704, 5583..5726		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15183	Strand	+
Start	157	End	3787
Name	OJ990401_05.9922.C3.o1.gs	Method	GENSCAN
Start	157	End	3484
GI	none	Score	.49
Exons	157..227, 562..714, 1332..1407, 1683..1846, 2291..2518, 3298..3484		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15183	Strand	+
Start	157	End	3787
Name	OJ990401_05.9922.C3.o1.np	Method	AAT/NAP
Start	382	End	3787
GI	6721512	Score	150
Exons	382..509, 548..668, 712..775, 1667..1806, 3691..3787		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15184	Strand	+
Start	4378	End	13055
Name	OJ990401_05.9922.C3.o2.gs	Method	GENSCAN
Start	4378	End	5796
GI	none	Score	.91
Exons	4378..4459, 5231..5796		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15184	Strand	+
Start	4378	End	13055
Name	OJ990401_05.9922.C3.o4.np	Method	AAT/NAP
Start	4824	End	6940
GI	6721561	Score	269
Exons	4824..4854, 6498..6940		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15184	Strand	+
Start	4378	End	13055
Name	OJ990401_05.9922.C3.o3.gs	Method	GENSCAN
Start	6518	End	13055
GI	none	Score	.53
Exons	6518..6939, 7024..7313, 9673..9768, 11141..11288, 11718..11941, 12112..12666, 12934..13055		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15184	Strand	+
Start	4378	End	13055
Name	OJ990401_05.9922.C3.o5.np	Method	AAT/NAP
Start	9576	End	13052
GI	6815052	Score	1029
Exons	9576..9668, 9966..10065, 10922..11014, 11803..11946, 11995..12509, 12591..12666, 12934..13052		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15185	Strand	-
Start	1387	End	2771
Name	OJ990401_05.9922.C3.o2.np	Method	AAT/NAP
Start	1387	End	2771
GI	6721512	Score	56
Exons	1387..1415, 2671..2771		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15186	Strand	-
Start	3632	End	3804
Name	OJ990401_05.9922.C3.o1.gp	Method	AAT/GAP
Start	3632	End	3804
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	3632..3804		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15187	Strand	-
Start	4190	End	6332
Name	OJ990401_05.9922.C3.o3.np	Method	AAT/NAP
Start	4190	End	6332
GI	6063554	Score	154
Exons	4190..4363, 5400..5474, 5559..5736, 6292..6332		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15187	Strand	-
Start	4190	End	6332
Name	OJ990401_05.9922.C3.o2.gp	Method	AAT/GAP
Start	4431	End	4806
GI	2427387	Score	687
Exons	4431..4806		
GI Descrip.	5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	7200	Seq. ID	OJ990401_05.9922.C3
Gene No.	15188	Strand	-
Start	7267	End	7465
Name	OJ990401_05.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	7267	End	7465
GI	none	Score	193
Exons	7267..7392, 7271..7465		

Seq. No.	7201	Seq. ID	OJ990401_05.9922.C4
Gene No.	15189	Strand	+
Start	1	End	2070
Name	OJ990401_05.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	2067
GI	6815052	Score	945
Exons	1..261, 1183..1517, 1599..1668, 1948..2067		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7201	Seq. ID	OJ990401_05.9922.C4
Gene No.	15189	Strand	+
Start	1	End	2070
Name	OJ990401_05.9922.C4.o1.gs	Method	GENSCAN
Start	400	End	2070
GI	none	Score	.55
Exons	400..553, 976..1037, 1276..1513, 1949..2070		

Seq. No.	7201	Seq. ID	OJ990401_05.9922.C4
Gene No.	15190	Strand	+
Start	2222	End	2967
Name	OJ990401_05.9922.C4.o2.np	Method	AAT/NAP
Start	2222	End	2967
GI	119714	Score	88
Exons	2222..2967		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	7201	Seq. ID	OJ990401_05.9922.C4
Gene No.	15191	Strand	-
Start	2195	End	3666
Name	OJ990401_05.9922.C4.o2.gs	Method	GENSCAN
Start	2195	End	3666
GI	none	Score	.74
Exons	2195..2581, 2903..2977, 3598..3666		

Seq. No.	7201	Seq. ID	OJ990401_05.9922.C4
Gene No.	15192	Strand	-
Start	4228	End	4332
Name	OJ990401_05.9922.C4.o1.gp	Method	AAT/GAP
Start	4228	End	4332
GI	3107009	Score	119
Exons	4228..4332		
GI Descrip.	4521194/dbj AB013613.1 AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15193	Strand	+
Start	269	End	2660
Name	OJ990401_05.9922.C5.o1.gs	Method	GENSCAN
Start	269	End	2660
GI	none	Score	.55
Exons	269..410, 1758..1842, 2051..2292, 2557..2660		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15194	Strand	-
Start	3096	End	4418
Name	OJ990401_05.9922.C5.o2.gs	Method	GENSCAN
Start	3096	End	4418
GI	none	Score	.76
Exons	3096..3273, 3799..3846, 3935..4093, 4228..4418		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	1986	End	8951
GI	none	Score	74
Exons	1986..2174, 8638..8943, 8639..8941, 8640..8951		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-

Start	4908	End	9321
Name	OJ990401_05.9922.C5.o3.gs	Method	GENSCAN
Start	4908	End	9321
GI	none	Score	.43
Exons	4908..4962, 5176..7186, 7694..9096, 9274..9321		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o1.np	Method	AAT/NAP
Start	5175	End	9080
GI	6539553	Score	6704
Exons	5175..9080		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	5311	End	5787
GI	none	Score	348
Exons	5311..5697, 5312..5695, 5349..5696, 5712..5786, 5714..5785, 5716..5787		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	5439	End	5780
GI	none	Score	78
Exons	5439..5648, 5518..5643, 5667..5780, 5674..5754		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	5643	End	5982
GI	none	Score	206
Exons	5643..5981, 5644..5982		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	5793	End	6138
GI	none	Score	124
Exons	5793..6137, 5938..6138		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	5991	End	6536
GI	none	Score	48

Exons 5991..6197, 6001..6123, 6192..6536, 6216..6389

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	6090	End	6537
GI	none	Score	58
Exons	6090..6536, 6175..6288, 6219..6401, 6355..6537		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	6207	End	6671
GI	5509260	Score	58
Exons	6207..6671, 6226..6285, 6358..6453, 6502..6570		
GI Descrip.	-		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	6318	End	6578
GI	none	Score	62
Exons	6318..6578, 6499..6576		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	6591	End	7347
GI	none	Score	198
Exons	6591..6830, 6592..6750, 6608..6838, 6611..6808, 6859..7125, 6882..7124, 6890..7135, 6901..7134, 7090..7347, 7103..7339		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	6996	End	7395
GI	none	Score	97
Exons	6996..7136, 7132..7170, 7171..7395, 7217..7387		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	7183	End	7617
GI	none	Score	78
Exons	7183..7617, 7208..7375		

Seq. No.	7202	Seq. ID	OJ990401_05.9922.C5
Gene No.	15195	Strand	-
Start	4908	End	9321
Name	OJ990401_05.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	7348	End	7539

GI none
Exons 7348..7539, 7348..7536

Score 183

Seq. No. 7202
Gene No. 15195
Start 4908
Name OJ990401_05.9922.C5.o1.tm
Start 7817
GI none
Exons 7817..7984, 7818..8132, 7819..8112, 7885..8139

Seq. ID OJ990401_05.9922.C5
Strand -
End 9321
Method TBLASTX:Maize
End 8139
Score 395

Seq. No. 7202
Gene No. 15195
Start 4908
Name OJ990401_05.9922.C5.o4.tw
Start 8699
GI none
Exons 8699..9028, 8700..9086, 8701..9075

Seq. ID OJ990401_05.9922.C5
Strand -
End 9321
Method TBLASTX:Wheat
End 9086
Score 256

Seq. No. 7203
Gene No. 15196
Start 575
Name OJ990401_05.9922.C6.o1.gs
Start 575
GI none
Exons 575..684

Seq. ID OJ990401_05.9922.C6
Strand +
End 684
Method GENSCAN
End 684
Score .99

Seq. No. 7204
Gene No. 15197
Start 517
Name OJ990401_05.9922.C9.o1.gs
Start 517
GI none
Exons 517..531

Seq. ID OJ990401_05.9922.C9
Strand +
End 531
Method GENSCAN
End 531
Score .71

Seq. No. 7205
Gene No. 15198
Start 6925
Name OJ990401_05.9922.C10.o2.gs
Start 6925
GI none
Exons 6925..7067, 8888..9044

Seq. ID OJ990401_05.9922.C10
Strand -
End 9044
Method GENSCAN
End 9044
Score .47

Seq. No. 7206
Gene No. 15199
Start 918
Name OJ990401_05.9922.C11.o1.gs
Start 918
GI none
Exons 918..1082, 1104..1131, 1273..1353

Seq. ID OJ990401_05.9922.C11
Strand -
End 1353
Method GENSCAN
End 1353
Score .59

Seq. No. 7207
Gene No. 15200
Start 325
Name OJ990401_05.9922.C12.o1.gs
Start 325
GI none

Seq. ID OJ990401_05.9922.C12
Strand +
End 5746
Method GENSCAN
End 5617
Score .77

Exons 325..329, 809..965, 1024..1119, 1592..1807, 5486..5617

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15200	Strand	+
Start	325	End	5746
Name	OJ990401_05.9922.C12.o1.gp	Method	AAT/GAP
Start	1185	End	5746
GI	5038950	Score	647
Exons	1185..1214, 3421..3488, 5486..5746		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	2964	End	3260
GI	none	Score	76
Exons	2964..3125, 2978..3127, 3123..3260		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o2.gs	Method	GENSCAN
Start	7058	End	11470
GI	none	Score	.77
Exons	7058..7066, 8429..8641, 8759..8813, 9264..9460, 9677..9798, 9881..10028, 10282..10351, 10437..10582, 11326..11470		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o1.np	Method	AAT/NAP
Start	8449	End	11482
GI	6630556	Score	1017
Exons	8449..8641, 8759..8813, 9264..9460, 9677..9804, 9881..10028, 10282..10351, 10437..10582, 10662..10707, 10790..10836, 11320..11482		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	8464	End	11481
GI	none	Score	139
Exons	8464..8643, 8467..8643, 8739..8825, 8741..8827, 8743..8826, 9209..9283, 9259..9459, 9261..9458, 9261..9473, 9263..9460, 9675..9785, 9676..9795, 9677..9796, 9677..9796, 9878..10027, 9882..10028, 10279..10353, 10280..10351, 10281..10352, 10431..10580, 10431..10580, 10432..10584, 10433..10585, 10656..10709, 10659..10709, 10660..10722, 10786..10842, 10788..10853, 11315..11473, 11316..11474, 11344..11481		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o1.tc	Method	TBLASTX:Cress

Start	8563	End	9406
GI	none	Score	79
Exons	8563..8643, 8573..8641, 8741..8827, 8743..8826, 8757..8831, 9259..9405, 9263..9406		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	9263	End	11481
GI	none	Score	216
Exons	9263..9406, 9268..9399, 9412..9459, 9413..9460, 9676..9786, 9677..9796, 9886..10032, 9893..10066, 9894..10028, 10279..10353, 10281..10352, 10432..10578, 10432..10578, 10433..10585, 10659..10709, 10659..10709, 11325..11471, 11344..11481		

Seq. No.	7207	Seq. ID	OJ990401_05.9922.C12
Gene No.	15201	Strand	+
Start	7058	End	11482
Name	OJ990401_05.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	10692	End	11481
GI	none	Score	39
Exons	10692..10709, 10786..10842, 11314..11481, 11344..11481		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15202	Strand	+
Start	4039	End	7859
Name	OJ990401_05.9922.C14.o1.gs	Method	GENSCAN
Start	4039	End	7700
GI	none	Score	.54
Exons	4039..4112, 5920..5941, 7287..7700		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15202	Strand	+
Start	4039	End	7859
Name	OJ990401_05.9922.C14.o1.np	Method	AAT/NAP
Start	7099	End	7859
GI	5091523	Score	179
Exons	7099..7859		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15202	Strand	+
Start	4039	End	7859
Name	OJ990401_05.9922.C14.o2.np	Method	AAT/NAP
Start	7099	End	7859
GI	5091523	Score	180
Exons	7099..7859		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15203	Strand	+
Start	19845	End	22239
Name	OJ990401_05.9922.C14.o4.np	Method	AAT/NAP
Start	19845	End	22239

GI 5042463 Score 143
 Exons 19845..20067, 20507..20674, 21312..21494, 21545..21732,
 22182..22239
 GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15204 Strand -
 Start 8688 End 10138
 Name OJ990401_05.9922.C14.o2.gs Method GENSCAN
 Start 8688 End 10138
 GI none Score .83
 Exons 8688..8825, 8924..9162, 10072..10138

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15205 Strand -
 Start 12178 End 12767
 Name OJ990401_05.9922.C14.o3.gs Method GENSCAN
 Start 12178 End 12767
 GI none Score .75
 Exons 12178..12239, 12641..12767

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15206 Strand -
 Start 13950 End 19374
 Name OJ990401_05.9922.C14.o3.np Method AAT/NAP
 Start 13950 End 19374
 GI 4680199 Score 305
 Exons 13950..13980, 15746..15863, 15951..16523, 19346..19374
 GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15207 Strand -
 Start 20136 End 27843
 Name OJ990401_05.9922.C14.o5.gs Method GENSCAN
 Start 20136 End 27843
 GI none Score .42
 Exons 20136..20300, 22490..22609, 23413..23688, 23729..23839,
 23854..24123, 24135..24302, 25716..25795, 26897..27253,
 27630..27843

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15207 Strand -
 Start 20136 End 27843
 Name OJ990401_05.9922.C14.o5.np Method AAT/NAP
 Start 22438 End 26641
 GI 3645899 Score 557
 Exons 22438..22458, 26022..26641
 GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. No. 7208 Seq. ID OJ990401_05.9922.C14
 Gene No. 15208 Strand -
 Start 33848 End 34909
 Name OJ990401_05.9922.C14.o1.tw Method TBLASTX:Wheat
 Start 26021 End 26230
 GI none Score 68
 Exons 26021..26230, 26024..26227

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15208	Strand	-
Start	33848	End	34909
Name	OJ990401_05.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	26024	End	26390
GI	none	Score	127
Exons	26024..26266, 26048..26254, 26049..26270, 26065..26271, 26259..26390, 26261..26389		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15208	Strand	-
Start	33848	End	34909
Name	OJ990401_05.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	26393	End	26753
GI	none	Score	47
Exons	26393..26602, 26393..26632, 26661..26744, 26661..26753		

Seq. No.	7208	Seq. ID	OJ990401_05.9922.C14
Gene No.	15208	Strand	-
Start	33848	End	34909
Name	OJ990401_05.9922.C14.o6.gs	Method	GENSCAN
Start	33848	End	34909
GI	none	Score	.45
Exons	33848..34005, 34051..34095, 34233..34407, 34801..34909		

Seq. No.	7209	Seq. ID	OJ990401_05.9922.C15
Gene No.	15209	Strand	+
Start	1	End	1797
Name	OJ990401_05.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	1797
GI	6691193	Score	732
Exons	1..48, 1019..1797		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	7209	Seq. ID	OJ990401_05.9922.C15
Gene No.	15209	Strand	+
Start	1	End	1797
Name	OJ990401_05.9922.C15.o1.gs	Method	GENSCAN
Start	119	End	1433
GI	none	Score	.57
Exons	119..594, 927..1057, 1130..1433		

Seq. No.	7209	Seq. ID	OJ990401_05.9922.C15
Gene No.	15209	Strand	+
Start	1	End	1797
Name	OJ990401_05.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	1246	End	1671
GI	none	Score	141
Exons	1246..1413, 1272..1415, 1415..1453, 1462..1659, 1477..1671		

Seq. No.	7209	Seq. ID	OJ990401_05.9922.C15
Gene No.	15209	Strand	+
Start	1	End	1797
Name	OJ990401_05.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	1246	End	1650
GI	none	Score	135
Exons	1246..1413, 1263..1415, 1446..1541, 1477..1650		

Seq. No.	7209	Seq. ID	OJ990401_05.9922.C15
Gene No.	15209	Strand	+
Start	1	End	1797
Name	OJ990401_05.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	1501	End	1752
GI	none	Score	181
Exons	1501..1752, 1522..1590, 1639..1752		

Seq. No.	7210	Seq. ID	OJ990401_05.9922.C16
Gene No.	15210	Strand	-
Start	1	End	866
Name	OJ990401_05.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	866
GI	6705984	Score	277
Exons	1..31, 289..866		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	7210	Seq. ID	OJ990401_05.9922.C16
Gene No.	15210	Strand	-
Start	1	End	866
Name	OJ990401_05.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	275	End	766
GI	none	Score	78
Exons	275..766, 351..533, 432..500		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15211	Strand	+
Start	1	End	1445
Name	OJ990401_05.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	1445
GI	6691191	Score	1292
Exons	1..1445		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15211	Strand	+
Start	1	End	1445
Name	OJ990401_05.9922.C18.o1.gs	Method	GENSCAN
Start	427	End	1428
GI	none	Score	1
Exons	427..1428		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	1	End	174
GI	none	Score	179
Exons	1..174, 3..173		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	7	End	318
GI	none	Score	211

Exons 7..318, 117..305

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	187	End	657
GI	none	Score	189
Exons	187..387, 189..371, 379..474, 454..657		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o3.ts	Method	TBLASTX:Soybean
Start	193	End	327
GI	none	Score	200
Exons	193..327, 193..309, 207..314		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	451	End	753
GI	none	Score	292
Exons	451..753, 603..752		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	774	End	1098
GI	none	Score	81
Exons	774..815, 775..816, 775..816, 813..1097, 814..1098		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	775	End	1230
GI	none	Score	364
Exons	775..1230, 780..1220		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	1099	End	1419
GI	none	Score	351
Exons	1099..1419, 1101..1337		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	1231	End	1419
GI	none	Score	211
Exons	1231..1419, 1258..1419		

Seq. No.	7211	Seq. ID	OJ990401_05.9922.C18
Gene No.	15212	Strand	+
Start	1694	End	1821
Name	OJ990401_05.9922.C18.o1.gp	Method	AAT/GAP
Start	1694	End	1821
GI	2315_5.R1084	Score	153
Exons	1694..1821		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7212	Seq. ID	OJ990401_05.9922.C19
Gene No.	15213	Strand	+
Start	1079	End	1845
Name	OJ990401_05.9922.C19.o1.gs	Method	GENSCAN
Start	1079	End	1845
GI	none	Score	.92
Exons	1079..1213, 1721..1845		

Seq. No.	7212	Seq. ID	OJ990401_05.9922.C19
Gene No.	15214	Strand	-
Start	4412	End	7558
Name	OJ990401_05.9922.C19.o2.gs	Method	GENSCAN
Start	4412	End	7558
GI	none	Score	.46
Exons	4412..4881, 4964..5095, 6865..7558		

Seq. No.	7213	Seq. ID	OJ990401_05.9922.C20
Gene No.	15215	Strand	+
Start	1	End	435
Name	OJ990401_05.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	435
GI	4539658	Score	226
Exons	1..31, 94..226, 268..435		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	7213	Seq. ID	OJ990401_05.9922.C20
Gene No.	15216	Strand	+
Start	784	End	2193
Name	OJ990401_05.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	52	End	727
GI	none	Score	82
Exons	52..126, 52..114, 111..236, 118..240, 118..222, 123..239, 484..600, 484..612, 497..613, 598..723, 605..727, 605..709, 610..726		

Seq. No.	7213	Seq. ID	OJ990401_05.9922.C20
Gene No.	15216	Strand	+
Start	784	End	2193
Name	OJ990401_05.9922.C20.o1.gs	Method	GENSCAN
Start	784	End	2193
GI	none	Score	.51
Exons	784..901, 1192..1549, 1590..2193		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-

Start	1	End	1121
Name	OJ990401_04.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	1121
GI	4539660	Score	1492
Exons	1..1121		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	3	End	198
GI	none	Score	73
Exons	3..197, 61..198		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	57	End	641
GI	none	Score	273
Exons	57..485, 58..486, 127..486, 344..490, 345..545, 483..641, 487..639		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	198	End	809
GI	none	Score	317
Exons	198..809, 199..768		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	693	End	985
GI	none	Score	54
Exons	693..983, 696..803, 697..984, 845..985		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	786	End	1032
GI	none	Score	108
Exons	786..1031, 787..1032		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	808	End	1121
GI	none	Score	87
Exons	808..948, 840..950, 951..1121, 1003..1116		

Seq. No.	7214	Seq. ID	OJ990401_04.9922.C1
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Gene No.	15217	Strand	-
Start	1	End	1121
Name	OJ990401_04.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	840	End	1121
GI	none	Score	256
Exons	840..1121, 844..1116, 846..1121		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	5077
GI	5257279	Score	5906
Exons	1..95, 210..380, 597..3315, 3949..4184, 4532..5077		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	57	End	296
GI	none	Score	208
Exons	57..296, 64..294		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	63	End	309
GI	none	Score	115
Exons	63..308, 64..309		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	85	End	401
GI	none	Score	94
Exons	85..225, 117..227, 228..401, 280..393		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	117	End	596
GI	none	Score	285
Exons	117..596, 121..483, 123..506		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1100
GI	none	Score	297
Exons	597..1100, 676..1065, 759..1091		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.gp	Method	AAT/GAP
Start	764	End	2125
GI	4107139	Score	2484
Exons	764..2125		
GI Descrip.	5257279/dbj BAA81778.1 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	789	End	1230
GI	none	Score	130
Exons	789..1229, 801..1088, 802..1230		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	849	End	1094
GI	none	Score	83
Exons	849..1094, 964..1065		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	1101	End	1338
GI	none	Score	148
Exons	1101..1337, 1117..1338		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	1116	End	1511
GI	none	Score	231
Exons	1116..1475, 1117..1473, 1146..1481, 1322..1480, 1479..1511		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	1234	End	1397
GI	none	Score	124
Exons	1234..1392, 1236..1397, 1242..1397		

Seq. No.	7215	Seq. ID	OJ990401_04.9922.C2
Gene No.	15218	Strand	-
Start	1	End	5077
Name	OJ990401_04.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	1248	End	1934
GI	none	Score	47
Exons	1248..1286, 1339..1383, 1452..1934, 1456..1599, 1485..1805,		

1627..1923

Seq. No. 7215
Gene No. 15218
Start 1
Name OJ990401_04.9922.C2.o2.tm
Start 1398
GI none
Exons 1398..1868, 1621..1794

Seq. ID OJ990401_04.9922.C2
Strand -
End 5077
Method TBLASTX:Maize
End 1868
Score 62

Seq. No. 7215
Gene No. 15218
Start 1
Name OJ990401_04.9922.C2.o5.tm
Start 1869
GI none
Exons 1869..2030, 1870..2031

Seq. ID OJ990401_04.9922.C2
Strand -
End 5077
Method TBLASTX:Maize
End 2031
Score 151

Seq. No. 7215
Gene No. 15218
Start 1
Name OJ990401_04.9922.C2.o6.tw
Start 2106
GI none
Exons 2106..2228, 2107..2217, 2112..2264, 2262..2483, 2325..2483, 2362..2484

Seq. ID OJ990401_04.9922.C2
Strand -
End 5077
Method TBLASTX:Wheat
End 2484
Score 78

Seq. No. 7215
Gene No. 15218
Start 1
Name OJ990401_04.9922.C2.o6.tm
Start 2164
GI none
Exons 2164..2298, 2166..2489, 2341..2442

Seq. ID OJ990401_04.9922.C2
Strand -
End 5077
Method TBLASTX:Maize
End 2489
Score 58

Seq. No. 7215
Gene No. 15218
Start 1
Name OJ990401_04.9922.C2.o5.tw
Start 3036
GI none
Exons 3036..3182, 3207..3398, 3217..3399

Seq. ID OJ990401_04.9922.C2
Strand -
End 5077
Method TBLASTX:Wheat
End 3399
Score 107

Seq. No. 7216
Gene No. 15219
Start 278
Name OJ990401_04.9922.C3.o1.gp
Start 278
GI uC-osflcyp033a04b1
Exons 278..659

Seq. ID OJ990401_04.9922.C3
Strand +
End 659
Method AAT/GAP
End 659
Score 679

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 7216
Gene No. 15220
Start 2404
Name OJ990401_04.9922.C3.o3.np

Seq. ID OJ990401_04.9922.C3
Strand +
End 5687
Method AAT/NAP

Start	2404	End	5687
GI	4539658	Score	107
Exons	2404..2539, 2917..2959, 5668..5687		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	7216	Seq. ID	OJ990401_04.9922.C3
Gene No.	15221	Strand	-
Start	211	End	411
Name	OJ990401_04.9922.C3.o1.np	Method	AAT/NAP
Start	211	End	411
GI	4680186	Score	334
Exons	211..411		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7216	Seq. ID	OJ990401_04.9922.C3
Gene No.	15222	Strand	-
Start	508	End	565
Name	OJ990401_04.9922.C3.o2.np	Method	AAT/NAP
Start	508	End	565
GI	5852180	Score	43
Exons	508..565		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7216	Seq. ID	OJ990401_04.9922.C3
Gene No.	15223	Strand	-
Start	3580	End	4103
Name	OJ990401_04.9922.C3.o2.gp	Method	AAT/GAP
Start	3580	End	4103
GI	LIB3434-038-P1-K1-F1	Score	756
Exons	3580..4103		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15224	Strand	+
Start	3971	End	4412
Name	OJ990401_04.9922.C4.o2.np	Method	AAT/NAP
Start	3971	End	4412
GI	5042462	Score	94
Exons	3971..4318, 4347..4412		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15225	Strand	+
Start	9233	End	11401
Name	OJ990401_04.9922.C4.o3.gs	Method	GENSCAN
Start	9233	End	11401
GI	none	Score	.71
Exons	9233..9246, 10015..10396, 10455..10615, 11348..11401		

Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15226	Strand	-
Start	1	End	3325
Name	OJ990401_04.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	1027

GI	5902448	Score	999
Exons	1..64, 413..1027		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15226	Strand	-
Start	1	End	3325
Name	OJ990401_04.9922.C4.o1.gs	Method	GENSCAN
Start	908	End	3325
GI	none	Score	.56
Exons	908..1066, 2710..2840, 3283..3325		
Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15227	Strand	-
Start	4187	End	5315
Name	OJ990401_04.9922.C4.o3.np	Method	AAT/NAP
Start	4187	End	5315
GI	5852181	Score	117
Exons	4187..4312, 5041..5315		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15228	Strand	-
Start	8978	End	10514
Name	OJ990401_04.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	617	End	907
GI	none	Score	214
Exons	617..907		
Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15228	Strand	-
Start	8978	End	10514
Name	OJ990401_04.9922.C4.o4.np	Method	AAT/NAP
Start	8978	End	10514
GI	6063554	Score	175
Exons	8978..9173, 10301..10514		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	7217	Seq. ID	OJ990401_04.9922.C4
Gene No.	15228	Strand	-
Start	8978	End	10514
Name	OJ990401_04.9922.C4.o1.gp	Method	AAT/GAP
Start	9218	End	9593
GI	2427387	Score	671
Exons	9218..9593		
GI Descrip.	5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	7218	Seq. ID	OJ990401_04.9922.C5
Gene No.	15229	Strand	+
Start	1	End	110
Name	OJ990401_04.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	110
GI	4680186	Score	134
Exons	1..110		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o1.gs	Method	GENSCAN
Start	418	End	2575
GI	none	Score	.45
Exons	418..692, 1094..1375, 1479..1607, 1742..1845, 2358..2575		

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o1.np	Method	AAT/NAP
Start	1638	End	2607
GI	6691191	Score	831
Exons	1638..2607		

GI Descrip. (AC007534) F7F22.15 [Arabidopsis thaliana]

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	1737	End	2225
GI	none	Score	172
Exons	1737..1826, 1836..2225, 1837..2223		

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	1833	End	2218
GI	none	Score	184
Exons	1833..2213, 1834..2154, 2063..2218		

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	2226	End	2549
GI	none	Score	93
Exons	2226..2399, 2227..2367, 2363..2509, 2364..2510, 2507..2548, 2508..2549		

Seq. No.	7219	Seq. ID	OJ990401_04.9922.C6
Gene No.	15230	Strand	-
Start	418	End	2607
Name	OJ990401_04.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	2238	End	2548
GI	none	Score	130
Exons	2238..2381, 2363..2548, 2364..2543		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	4159

GI	6691191	Score	1818
Exons	1..1742, 4081..4159		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	8	End	340
GI	none	Score	92
Exons	8..61, 80..148, 137..340, 170..337		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o1.gs	Method	GENSCAN
Start	75	End	2717
GI	none	Score	.81
Exons	75..273, 528..2133, 2298..2717		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	200	End	334
GI	none	Score	79
Exons	200..334, 213..320, 218..334		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	209	End	425
GI	none	Score	73
Exons	209..424, 291..425		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	353	End	658
GI	none	Score	63
Exons	353..430, 354..431, 395..658, 427..654		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	443	End	798
GI	none	Score	162
Exons	443..733, 445..732, 733..798		

Seq. No.	7220	Seq. ID	OJ990401_04.9922.C7
Gene No.	15231	Strand	-
Start	1	End	4159
Name	OJ990401_04.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	511	End	924

GI none
Exons 511..924, 512..832

Score 121

Seq. No. 7220
Gene No. 15231
Start 1
Name OJ990401_04.9922.C7.o1.tw
Start 658
GI none
Exons 658..1074, 665..973, 708..1067, 847..1068

Seq. ID OJ990401_04.9922.C7
Strand -
End 4159
Method TBLASTX:Wheat
End 1074
Score 260

Seq. No. 7220
Gene No. 15231
Start 1
Name OJ990401_04.9922.C7.o2.tm
Start 940
GI none
Exons 940..1302

Seq. ID OJ990401_04.9922.C7
Strand -
End 4159
Method TBLASTX:Maize
End 1302
Score 224

Seq. No. 7220
Gene No. 15231
Start 1
Name OJ990401_04.9922.C7.o1.ts
Start 1164
GI none
Exons 1164..1280, 1165..1494, 1165..1590, 1316..1564

Seq. ID OJ990401_04.9922.C7
Strand -
End 4159
Method TBLASTX:Soybean
End 1590
Score 132

Seq. No. 7220
Gene No. 15231
Start 1
Name OJ990401_04.9922.C7.o2.tw
Start 1186
GI none
Exons 1186..1590, 1304..1573

Seq. ID OJ990401_04.9922.C7
Strand -
End 4159
Method TBLASTX:Wheat
End 1590
Score 202

Seq. No. 7220
Gene No. 15231
Start 1
Name OJ990401_04.9922.C7.o3.np
Start 2150
GI 5852181
Exons 2150..2175, 3377..3561, 4068..4159
GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. ID OJ990401_04.9922.C7
Strand -
End 4159
Method AAT/NAP
End 4159
Score 114

Seq. No. 7221
Gene No. 15232
Start 260
Name OJ990401_04.9922.C8.o1.gs
Start 260
GI none
Exons 260..1102

Seq. ID OJ990401_04.9922.C8
Strand +
End 1136
Method GENSCAN
End 1102
Score .8

Seq. No. 7221
Gene No. 15232
Start 260
Name OJ990401_04.9922.C8.o1.np
Start 924

Seq. ID OJ990401_04.9922.C8
Strand +
End 1136
Method AAT/NAP
End 1136

GI	4680339	Score	86
Exons	924..1136		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	7222	Seq. ID	OJ990401_04.9922.C9
Gene No.	15233	Strand	+
Start	91	End	306
Name	OJ990401_04.9922.C9.o1.gs	Method	GENSCAN
Start	91	End	306
GI	none	Score	.96
Exons	91..306		
Seq. No.	7223	Seq. ID	OJ990401_04.9922.C11
Gene No.	15234	Strand	+
Start	1	End	1091
Name	OJ990401_04.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	222
GI	4680186	Score	359
Exons	1..222		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	7223	Seq. ID	OJ990401_04.9922.C11
Gene No.	15234	Strand	+
Start	1	End	1091
Name	OJ990401_04.9922.C11.o2.np	Method	AAT/NAP
Start	1	End	1091
GI	5852180	Score	153
Exons	1..86, 905..1091		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	7223	Seq. ID	OJ990401_04.9922.C11
Gene No.	15234	Strand	+
Start	1	End	1091
Name	OJ990401_04.9922.C11.o1.gs	Method	GENSCAN
Start	115	End	1055
GI	none	Score	.63
Exons	115..175, 976..1055		
Seq. No.	7223	Seq. ID	OJ990401_04.9922.C11
Gene No.	15235	Strand	-
Start	1	End	155
Name	OJ990401_04.9922.C11.o1.gp	Method	AAT/GAP
Start	1	End	155
GI	uC-osflcyp033a04b1	Score	287
Exons	1..155		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	7224	Seq. ID	OJ990401_04.9922.C12
Gene No.	15236	Strand	+
Start	1	End	699
Name	OJ990401_04.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	699
GI	5902448	Score	1116
Exons	1..699		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No. 7224
 Gene No. 15236
 Start 1
 Name OJ990401_04.9922.C12.o1.tw
 Start 7
 GI none
 Exons 7..198

Seq. ID OJ990401_04.9922.C12
 Strand +
 End 699
 Method TBLASTX:Wheat
 End 198
 Score 177

Seq. No. 7224
 Gene No. 15236
 Start 1
 Name OJ990401_04.9922.C12.o1.gs
 Start 364
 GI none
 Exons 364..690

Seq. ID OJ990401_04.9922.C12
 Strand +
 End 699
 Method GENSCAN
 End 690
 Score .68

Seq. No. 7225
 Gene No. 15237
 Start 70
 Name OJ990401_04.9922.C14.o1.gs
 Start 70
 GI none
 Exons 70..738, 764..1333, 1772..1884, 2094..2274

Seq. ID OJ990401_04.9922.C14
 Strand +
 End 2274
 Method GENSCAN
 End 2274
 Score .73

Seq. No. 7225
 Gene No. 15238
 Start 5559
 Name OJ990401_04.9922.C14.o2.gs
 Start 5559
 GI none
 Exons 5559..5693

Seq. ID OJ990401_04.9922.C14
 Strand -
 End 5693
 Method GENSCAN
 End 5693
 Score .72

Seq. No. 7226
 Gene No. 15239
 Start 242
 Name OJ990401_04.9922.C16.o1.gs
 Start 242
 GI none
 Exons 242..799, 859..1041, 1177..1296, 1840..2050, 2270..2395, 2453..2627, 2840..3563

Seq. ID OJ990401_04.9922.C16
 Strand +
 End 4105
 Method GENSCAN
 End 3563
 Score .45

Seq. No. 7226
 Gene No. 15239
 Start 242
 Name OJ990401_04.9922.C16.o1.np
 Start 245
 GI 6539553
 Exons 245..4105

Seq. ID OJ990401_04.9922.C16
 Strand +
 End 4105
 Method AAT/NAP
 End 4105
 Score 4651

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No. 7226
 Gene No. 15240
 Start 7755
 Name OJ990401_04.9922.C16.o2.np

Seq. ID OJ990401_04.9922.C16
 Strand +
 End 13255
 Method AAT/NAP

Start	7755	End	13255
GI	5922631	Score	5729
Exons	7755..7879, 8138..8382, 8641..8843, 8889..9462, 9505..9655, 9782..10708, 11313..13255		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativ		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15240	Strand	+
Start	7755	End	13255
Name	OJ990401_04.9922.C16.o3.gs	Method	GENSCAN
Start	7755	End	8372
GI	none	Score	.69
Exons	7755..7957, 8099..8372		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15240	Strand	+
Start	7755	End	13255
Name	OJ990401_04.9922.C16.o4.gs	Method	GENSCAN
Start	8712	End	12529
GI	none	Score	.52
Exons	8712..8850, 8894..10700, 10795..10998, 11104..12529		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15241	Strand	-
Start	4819	End	6893
Name	OJ990401_04.9922.C16.o2.gs	Method	GENSCAN
Start	4819	End	6893
GI	none	Score	.47
Exons	4819..4937, 4994..5231, 5538..6374, 6616..6718, 6754..6893		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o12.tw	Method	TBLASTX:Wheat
Start	266	End	619
GI	none	Score	48
Exons	266..328, 374..619		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o9.tm	Method	TBLASTX:Maize
Start	370	End	676
GI	none	Score	232
Exons	370..615, 371..676		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	1186	End	1536

GI	none	Score	371
Exons	1186..1296, 1192..1491, 1200..1454, 1321..1491, 1495..1536		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o11.tw	Method	TBLASTX:Wheat
Start	1609	End	1950
GI	none	Score	257
Exons	1609..1950, 1863..1949		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o7.tm	Method	TBLASTX:Maize
Start	1804	End	2382
GI	none	Score	220
Exons	1804..2112, 1929..2096, 2133..2303, 2134..2382		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	1900	End	2298
GI	none	Score	220
Exons	1900..2124, 1902..2120, 2127..2192, 2134..2298		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	1956	End	2690
GI	none	Score	615
Exons	1956..2390, 1963..2442, 2446..2622, 2496..2618, 2619..2690, 2619..2684, 2621..2686		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	2625	End	3074
GI	5509260	Score	375
Exons	2625..3074, 2705..3055		
GI Descrip.	-		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	2703	End	2963
GI	none	Score	281
Exons	2703..2963		
Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o5.tm	Method	TBLASTX:Maize

Start 2744
GI none
Exons 2744..3106, 2745..3191

End 3191
Score 336

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o4.tw Method TBLASTX:Wheat
Start 2745 End 3290
GI none Score 316
Exons 2745..3089, 2762..2875, 2900..3037, 3084..3290, 3158..3280

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o3.ts Method TBLASTX:Soybean
Start 3123 End 3488
GI none Score 300
Exons 3123..3488, 3141..3335, 3143..3472

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o8.tm Method TBLASTX:Maize
Start 3299 End 3637
GI none Score 195
Exons 3299..3541, 3312..3539, 3535..3636, 3536..3637

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o2.tw Method TBLASTX:Wheat
Start 3495 End 3969
GI none Score 55
Exons 3495..3539, 3500..3541, 3503..3538, 3535..3564, 3536..3568, 3582..3923, 3583..3945, 3584..3967, 3586..3969

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o6.ts Method TBLASTX:Soybean
Start 3535 End 3841
GI none Score 75
Exons 3535..3603, 3536..3613, 3632..3841, 3637..3768

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o10.tw Method TBLASTX:Wheat
Start 9066 End 9468
GI none Score 289
Exons 9066..9335, 9067..9468

Seq. No. 7226 Seq. ID OJ990401_04.9922.C16
Gene No. 15242 Strand -
Start 12980 End 17914
Name OJ990401_04.9922.C16.o8.tw Method TBLASTX:Wheat

Start 10081
 GI none
 Exons 10081..10482, 10221..10466

End 10482
 Score 327

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o3.tw
 Start 10723
 GI none
 Exons 10723..10848, 10724..11179, 10841..11155, 10918..11178

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Wheat
 End 11179
 Score 447

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o6.tm
 Start 10918
 GI none
 Exons 10918..11199, 10919..11209

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Maize
 End 11209
 Score 333

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o9.tw
 Start 11179
 GI none
 Exons 11179..11496, 11180..11497

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Wheat
 End 11497
 Score 321

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o4.ts
 Start 11372
 GI none
 Exons 11372..11746, 11389..11532, 11405..11686

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Soybean
 End 11746
 Score 269

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o4.tm
 Start 11440
 GI none
 Exons 11440..11694, 11441..11695, 11716..11847, 11717..11860, 11858..11884

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Maize
 End 11884
 Score 277

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o7.tw
 Start 11542
 GI none
 Exons 11542..11817, 11543..11971

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Wheat
 End 11971
 Score 390

Seq. No. 7226
 Gene No. 15242
 Start 12980
 Name OJ990401_04.9922.C16.o5.ts

Seq. ID OJ990401_04.9922.C16
 Strand -
 End 17914
 Method TBLASTX:Soybean

Start	11999	End	12387
GI	none	Score	88
Exons	11999..12103, 12007..12213, 12143..12385, 12268..12387		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o5.tw	Method	TBLASTX:Wheat
Start	12008	End	12430
GI	none	Score	394
Exons	12008..12430, 12013..12354		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o10.tm	Method	TBLASTX:Maize
Start	12191	End	12514
GI	none	Score	199
Exons	12191..12514		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	12743	End	13105
GI	none	Score	415
Exons	12743..13066, 12763..13053, 13058..13105		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o6.tw	Method	TBLASTX:Wheat
Start	12748	End	13137
GI	none	Score	393
Exons	12748..13059, 12749..13135, 12956..13135, 13090..13137		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o5.gs	Method	GENSCAN
Start	12980	End	17914
GI	none	Score	.65
Exons	12980..13356, 15231..15532, 15615..16450, 16513..17004, 17274..17444, 17837..17914		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o3.np	Method	AAT/NAP
Start	14299	End	16713
GI	479357	Score	972
Exons	14299..14340, 14700..15133, 15231..15532, 15615..16444, 16507..16713		

GI Descrip. hypothetical protein 612 - maize transposon MuA2:
gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
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Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o11.tm	Method	TBLASTX:Maize
Start	14922	End	15125
GI	none	Score	79
Exons	14922..15125, 14961..15116		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	15370	End	16078
GI	none	Score	83
Exons	15370..15531, 15386..15529, 15620..15730, 15621..15722, 15731..15802, 15738..15803, 15798..16073, 15800..16078		

Seq. No.	7226	Seq. ID	OJ990401_04.9922.C16
Gene No.	15242	Strand	-
Start	12980	End	17914
Name	OJ990401_04.9922.C16.o12.tm	Method	TBLASTX:Maize
Start	16082	End	16375
GI	none	Score	63
Exons	16082..16375, 16140..16367		

Seq. No.	7227	Seq. ID	OJ990401_04.9922.C17
Gene No.	15243	Strand	+
Start	1	End	6192
Name	OJ990401_04.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	5805
GI	5852180	Score	344
Exons	1..418, 1093..1150, 5786..5805		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7227	Seq. ID	OJ990401_04.9922.C17
Gene No.	15243	Strand	+
Start	1	End	6192
Name	OJ990401_04.9922.C17.o1.gp	Method	AAT/GAP
Start	5226	End	5512
GI	uC-osflcyp033a04b1	Score	427
Exons	5226..5512		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7227	Seq. ID	OJ990401_04.9922.C17
Gene No.	15243	Strand	+
Start	1	End	6192
Name	OJ990401_04.9922.C17.o2.np	Method	AAT/NAP
Start	5324	End	6192
GI	5852180	Score	51
Exons	5324..5377, 6132..6192		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7227	Seq. ID	OJ990401_04.9922.C17
Gene No.	15244	Strand	-
Start	2917	End	6192
Name	OJ990401_04.9922.C17.o3.np	Method	AAT/NAP
Start	2917	End	6192

GI	5852180	Score	53
Exons	2917..2991, 3281..3349, 5340..5453, 5934..5987, 6113..6192		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7228	Seq. ID	OJ990401_04.9922.C18
Gene No.	15245	Strand	+
Start	1	End	1567
Name	OJ990401_04.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	1567
GI	6691716	Score	470
Exons	1..26, 630..907, 1105..1270, 1347..1567		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7228	Seq. ID	OJ990401_04.9922.C18
Gene No.	15245	Strand	+
Start	1	End	1567
Name	OJ990401_04.9922.C18.o1.gs	Method	GENSCAN
Start	635	End	1559
GI	none	Score	.59
Exons	635..907, 1063..1270, 1322..1559		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15246	Strand	+
Start	1	End	974
Name	OJ990401_04.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	962
GI	6691716	Score	764
Exons	1..38, 113..215, 335..448, 523..962		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15246	Strand	+
Start	1	End	974
Name	OJ990401_04.9922.C19.o1.gs	Method	GENSCAN
Start	333	End	974
GI	none	Score	.98
Exons	333..448, 523..974		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o2.gs	Method	GENSCAN
Start	1304	End	2137
GI	none	Score	.67
Exons	1304..1536, 1576..2137		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o2.np	Method	AAT/NAP
Start	1307	End	2303
GI	5902445	Score	1643
Exons	1307..2303		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	1316	End	1930
GI	none	Score	95
Exons	1316..1447, 1439..1930, 1641..1769, 1824..1910		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	1355	End	1618
GI	none	Score	97
Exons	1355..1456, 1356..1457, 1436..1618, 1437..1562		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	1899	End	2282
GI	none	Score	87
Exons	1899..2045, 1901..2014, 2009..2275, 2025..2282		

Seq. No.	7229	Seq. ID	OJ990401_04.9922.C19
Gene No.	15247	Strand	-
Start	1304	End	2303
Name	OJ990401_04.9922.C19.o2.tw	Method	TBLASTX:Wheat
Start	1932	End	2299
GI	none	Score	221
Exons	1932..2294, 1934..2299, 2045..2299		

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15248	Strand	+
Start	3194	End	4746
Name	OJ990401_04.9922.C20.o2.np	Method	AAT/NAP
Start	3194	End	4746
GI	6539588	Score	59
Exons	3194..3525, 4729..4746		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15248	Strand	+
Start	3194	End	4746
Name	OJ990401_04.9922.C20.o3.gs	Method	GENSCAN
Start	3573	End	4588
GI	none	Score	.5
Exons	3573..3913, 3968..4331, 4445..4588		

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15249	Strand	+
Start	5572	End	8207
Name	OJ990401_04.9922.C20.o4.gs	Method	GENSCAN
Start	5572	End	8207
GI	none	Score	.65

Exons 5572..5706, 8064..8207

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15250	Strand	-
Start	1	End	5550
Name	OJ990401_04.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	5550
GI	5922631	Score	3182

Exons 1..1355, 1961..2828, 5503..5550

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15250	Strand	-
Start	1	End	5550
Name	OJ990401_04.9922.C20.o2.gs	Method	GENSCAN
Start	910	End	3344
GI	none	Score	.85

Exons 910..1599, 1698..1872, 1969..2633, 2673..2827, 3242..3344

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15251	Strand	-
Start	9055	End	9408
Name	OJ990401_04.9922.C20.o4.tw	Method	TBLASTX:Wheat
Start	247	End	660
GI	none	Score	228

Exons 247..519, 314..655, 556..660

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15251	Strand	-
Start	9055	End	9408
Name	OJ990401_04.9922.C20.o2.ts	Method	TBLASTX:Soybean
Start	281	End	663
GI	none	Score	65

Exons 281..421, 283..525, 455..520, 565..663, 575..661

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15251	Strand	-
Start	9055	End	9408
Name	OJ990401_04.9922.C20.o3.tw	Method	TBLASTX:Wheat
Start	697	End	1126
GI	none	Score	99

Exons 697..1125, 812..1126

Seq. No.	7230	Seq. ID	OJ990401_04.9922.C20
Gene No.	15251	Strand	-
Start	9055	End	9408
Name	OJ990401_04.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	796	End	1228
GI	none	Score	134

Exons 796..951, 970..1227, 973..1227, 974..1228

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o1.ts
 Start 922
 GI none
 Exons 922..1326, 929..1276

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Soybean
 End 1326
 Score 136

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o2.tw
 Start 1171
 GI none
 Exons 1171..1590, 1172..1588

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Wheat
 End 1590
 Score 224

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o2.tm
 Start 1459
 GI none
 Exons 1459..1635, 1469..1639, 1629..1676, 1629..1814, 1660..1773

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Maize
 End 1814
 Score 82

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o5.tw
 Start 1635
 GI none
 Exons 1635..1823, 1637..1675, 1660..1821

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Wheat
 End 1823
 Score 40

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o1.tw
 Start 1824
 GI none
 Exons 1824..2117, 1828..2028, 2164..2400, 2166..2396, 2445..2621

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Wheat
 End 2621
 Score 128

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o3.tm
 Start 2135
 GI none
 Exons 2135..2266, 2136..2312, 2167..2301

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method TBLASTX:Maize
 End 2312
 Score 105

Seq. No. 7230
 Gene No. 15251
 Start 9055
 Name OJ990401_04.9922.C20.o5.gs
 Start 9055
 GI none
 Exons 9055..9092, 9318..9408

Seq. ID OJ990401_04.9922.C20
 Strand -
 End 9408
 Method GENSCAN
 End 9408
 Score .65

Seq. No. 7231

Seq. ID OJ990401_04.9922.C21

Gene No.	15252	Strand	+
Start	1	End	3938
Name	OJ990401_04.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	3938
GI	5852180	Score	708
Exons	1..107, 160..230, 1212..1330, 1382..1964, 2020..2153, 2701..3027, 3113..3938		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15253	Strand	-
Start	79	End	460
Name	OJ990401_04.9922.C21.o1.gp	Method	AAT/GAP
Start	79	End	460
GI	uC-osflcyp033a04b1	Score	667
Exons	79..460		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o2.np	Method	AAT/NAP
Start	1728	End	6577
GI	5042447	Score	432
Exons	1728..1750, 5130..5873, 6553..6577		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o4.gp	Method	AAT/GAP
Start	1862	End	2195
GI	61605_3.R1084	Score	356
Exons	1862..2195		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o5.gp	Method	AAT/GAP
Start	2727	End	3156
GI	2428185	Score	813
Exons	2727..3156		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o6.gp	Method	AAT/GAP
Start	3174	End	3908
GI	101153_1.R1084	Score	584
Exons	3174..3402, 3719..3908		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o2.gs	Method	GENSCAN
Start	3563	End	5864
GI	none	Score	.73
Exons	3563..3572, 3719..4036, 4987..5015, 5263..5864		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	5499	End	5793
GI	none	Score	43
Exons	5499..5564, 5533..5793, 5602..5772		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	5533	End	5793
GI	none	Score	206
Exons	5533..5793		
Seq. No.	7231	Seq. ID	OJ990401_04.9922.C21
Gene No.	15254	Strand	-
Start	1728	End	6577
Name	OJ990401_04.9922.C21.o8.gp	Method	AAT/GAP
Start	6411	End	6577
GI	61605_3.R1084	Score	209
Exons	6411..6577		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	7232	Seq. ID	OJ990401_04.9922.C23
Gene No.	15255	Strand	+
Start	1	End	482
Name	OJ990401_04.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	181
GI	5852180	Score	43
Exons	1..22, 111..181		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	7232	Seq. ID	OJ990401_04.9922.C23
Gene No.	15255	Strand	+
Start	1	End	482
Name	OJ990401_04.9922.C23.o2.np	Method	AAT/NAP
Start	1	End	482
GI	4680186	Score	241
Exons	1..126, 253..482		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	7232	Seq. ID	OJ990401_04.9922.C23
Gene No.	15256	Strand	-
Start	30	End	411
Name	OJ990401_04.9922.C23.o1.gp	Method	AAT/GAP

Start	30	End	411
GI	uC-osflcyp033a04b1	Score	667
Exons	30..411		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7233	Seq. ID	OJ990401_04.9922.C24
Gene No.	15257	Strand	+
Start	67	End	338
Name	OJ990401_04.9922.C24.o1.gs	Method	GENSCAN
Start	67	End	338
GI	none	Score	.6
Exons	67..338		

Seq. No.	7233	Seq. ID	OJ990401_04.9922.C24
Gene No.	15258	Strand	-
Start	169	End	412
Name	OJ990401_04.9922.C24.o1.np	Method	AAT/NAP
Start	169	End	412
GI	5902445	Score	259
Exons	169..412		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7234	Seq. ID	OJ990401_04.9922.C25
Gene No.	15259	Strand	-
Start	128	End	1225
Name	OJ990401_04.9922.C25.o1.gs	Method	GENSCAN
Start	128	End	1225
GI	none	Score	.57
Exons	128..272, 300..341, 995..1225		

Seq. No.	7235	Seq. ID	OJ990401_04.9922.C26
Gene No.	15260	Strand	-
Start	1	End	3744
Name	OJ990401_04.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	3744
GI	4680179	Score	603
Exons	1..30, 2487..2722, 2885..3744		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7235	Seq. ID	OJ990401_04.9922.C26
Gene No.	15260	Strand	-
Start	1	End	3744
Name	OJ990401_04.9922.C26.o1.gs	Method	GENSCAN
Start	159	End	1153
GI	none	Score	.56
Exons	159..388, 928..1153		

Seq. No.	7235	Seq. ID	OJ990401_04.9922.C26
Gene No.	15260	Strand	-
Start	1	End	3744
Name	OJ990401_04.9922.C26.o2.gs	Method	GENSCAN
Start	2139	End	3723
GI	none	Score	.75
Exons	2139..2294, 2403..2506, 2520..3723		

Seq. No.	7235	Seq. ID	OJ990401_04.9922.C26
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Gene No.	15260	Strand	-
Start	1	End	3744
Name	OJ990401_04.9922.C26.ol.tm	Method	TBLASTX:Maize
Start	2962	End	3261
GI	none	Score	77
Exons	2962..3261, 3134..3247		
Seq. No.	7235	Seq. ID	OJ990401_04.9922.C26
Gene No.	15260	Strand	-
Start	1	End	3744
Name	OJ990401_04.9922.C26.ol.tw	Method	TBLASTX:Wheat
Start	3145	End	3501
GI	none	Score	153
Exons	3145..3501, 3146..3499		
Seq. No.	7236	Seq. ID	OJ990401_04.9922.C27
Gene No.	15261	Strand	+
Start	2287	End	2671
Name	OJ990401_04.9922.C27.ol.gp	Method	AAT/GAP
Start	2287	End	2671
GI	uC-osflcyp033a04b1	Score	620
Exons	2287..2671		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	7236	Seq. ID	OJ990401_04.9922.C27
Gene No.	15262	Strand	-
Start	945	End	3891
Name	OJ990401_04.9922.C27.ol.np	Method	AAT/NAP
Start	945	End	3891
GI	5852180	Score	596
Exons	945..1361, 1413..1530, 2520..2567, 3814..3891		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	7236	Seq. ID	OJ990401_04.9922.C27
Gene No.	15262	Strand	-
Start	945	End	3891
Name	OJ990401_04.9922.C27.o2.gs	Method	GENSCAN
Start	1723	End	1854
GI	none	Score	.43
Exons	1723..1854		
Seq. No.	7236	Seq. ID	OJ990401_04.9922.C27
Gene No.	15262	Strand	-
Start	945	End	3891
Name	OJ990401_04.9922.C27.o3.gs	Method	GENSCAN
Start	3039	End	3239
GI	none	Score	.63
Exons	3039..3239		
Seq. No.	7237	Seq. ID	OJ990401_04.9922.C28
Gene No.	15263	Strand	+
Start	145	End	198
Name	OJ990401_04.9922.C28.ol.gs	Method	GENSCAN
Start	145	End	198
GI	none	Score	.82
Exons	145..198		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15264	Strand	+
Start	1	End	827
Name	OJ990401_04.9922.C30.o1.np	Method	AAT/NAP
Start	1	End	827
GI	5902445	Score	941
Exons	1..31, 186..827		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15264	Strand	+
Start	1	End	827
Name	OJ990401_04.9922.C30.o1.gs	Method	GENSCAN
Start	208	End	710
GI	none	Score	.59
Exons	208..710		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15265	Strand	+
Start	1709	End	3738
Name	OJ990401_04.9922.C30.o3.np	Method	AAT/NAP
Start	1709	End	3738
GI	81286	Score	88
Exons	1709..1805, 3015..3115, 3340..3738		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15266	Strand	-
Start	1158	End	3599
Name	OJ990401_04.9922.C30.o1.tw	Method	TBLASTX:Wheat
Start	201	End	815
GI	none	Score	353
Exons	201..695, 203..292, 359..466, 681..815		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15266	Strand	-
Start	1158	End	3599
Name	OJ990401_04.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	525	End	779
GI	none	Score	157
Exons	525..698, 572..697, 677..778, 678..779		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15266	Strand	-
Start	1158	End	3599
Name	OJ990401_04.9922.C30.o2.gs	Method	GENSCAN
Start	1158	End	3599
GI	none	Score	.92
Exons	1158..1609, 1859..2048, 2123..2238, 2388..2522, 2565..2773, 2829..3098, 3502..3599		

Seq. No.	7238	Seq. ID	OJ990401_04.9922.C30
Gene No.	15266	Strand	-
Start	1158	End	3599
Name	OJ990401_04.9922.C30.o2.np	Method	AAT/NAP

Start	1161	End	2994
GI	6691716	Score	1312
Exons	1161..1609, 1683..1798, 1948..2048, 2123..2310, 2388..2573, 2646..2746, 2829..2994		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7239	Seq. ID	OJ990401_04.9922.C31
Gene No.	15267	Strand	-
Start	102	End	296
Name	OJ990401_04.9922.C31.o1.gs	Method	GENSCAN
Start	102	End	296
GI	none	Score	.79
Exons	102..296		

Seq. No.	7240	Seq. ID	OJ990401_04.9922.C32
Gene No.	15268	Strand	-
Start	1	End	1022
Name	OJ990401_04.9922.C32.o1.np	Method	AAT/NAP
Start	1	End	214
GI	5902448	Score	259
Exons	1..214		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	7240	Seq. ID	OJ990401_04.9922.C32
Gene No.	15268	Strand	-
Start	1	End	1022
Name	OJ990401_04.9922.C32.o1.gs	Method	GENSCAN
Start	86	End	1022
GI	none	Score	.59
Exons	86..253, 340..445, 952..1022		

Seq. No.	7241	Seq. ID	OJ990401_04.9922.C33
Gene No.	15269	Strand	-
Start	50	End	298
Name	OJ990401_04.9922.C33.o1.gs	Method	GENSCAN
Start	50	End	298
GI	none	Score	.66
Exons	50..298		

Seq. No.	7242	Seq. ID	OJ990401_04.9922.C34
Gene No.	15270	Strand	-
Start	117	End	268
Name	OJ990401_04.9922.C34.o1.gs	Method	GENSCAN
Start	117	End	268
GI	none	Score	.68
Exons	117..268		

Seq. No.	7243	Seq. ID	OJ990401_04.9922.C35
Gene No.	15271	Strand	+
Start	1	End	404
Name	OJ990401_04.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	404
GI	6063554	Score	146
Exons	1..129, 232..404		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	7243	Seq. ID	OJ990401_04.9922.C35
Gene No.	15271	Strand	+
Start	1	End	404
Name	OJ990401_04.9922.C35.o1.gp	Method	AAT/GAP
Start	43	End	244
GI	2428185	Score	335
Exons	43..244		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.gp	Method	AAT/GAP
Start	1	End	1153
GI	148_1.R1084	Score	838
Exons	1..119, 238..321, 418..491, 951..1153		
GI Descrip.	'5931625/dbj BAA84717.1 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	975
GI	5931625	Score	379
Exons	1..119, 238..321, 418..491, 951..975		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	18	End	373
GI	none	Score	138
Exons	18..122, 22..120, 214..309, 217..309, 233..373		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	21	End	1001
GI	none	Score	154
Exons	21..122, 22..120, 213..323, 214..309, 215..373, 228..323, 419..439, 448..495, 449..496, 948..1001, 949..999		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	21	End	341
GI	none	Score	126
Exons	21..122, 22..120, 214..309, 215..334, 249..341		

Seq. No.	7244	Seq. ID	OJ990421_07.9923.C1
Gene No.	15272	Strand	-
Start	1	End	1153
Name	OJ990421_07.9923.C1.o1.gs	Method	GENSCAN
Start	25	End	913
GI	none	Score	.67
Exons	25..119, 238..321, 418..491, 856..913		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15273	Strand	+
Start	1126	End	1394
Name	OJ990421_07.9923.C2.o1.gs	Method	GENSCAN
Start	1126	End	1394
GI	none	Score	.5
Exons	1126..1394		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15274	Strand	+
Start	5443	End	5741
Name	OJ990421_07.9923.C2.o3.gs	Method	GENSCAN
Start	5443	End	5741
GI	none	Score	.5
Exons	5443..5501, 5555..5741		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15275	Strand	+
Start	6574	End	15826
Name	OJ990421_07.9923.C2.o1.np	Method	AAT/NAP
Start	6574	End	15826
GI	913227	Score	208
Exons	6574..6742, 8118..8164, 9944..10037, 10959..11018, 11128..11171, 11883..11945, 12034..12193, 12281..12336, 12510..12626, 15800..15826		
GI Descrip.	transcription factor X1DP-1 [Xenopus laevis, embryos, Peptide, 409 aa]		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15276	Strand	-
Start	6189	End	8004
Name	OJ990421_07.9923.C2.o4.gs	Method	GENSCAN
Start	6189	End	8004
GI	none	Score	.91
Exons	6189..6772, 6895..6973, 7086..7348, 7482..7667, 7881..8004		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15276	Strand	-
Start	6189	End	8004
Name	OJ990421_07.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	6666	End	7560
GI	none	Score	104
Exons	6666..6791, 6666..6779, 6674..6790, 6893..6973, 6894..6974, 6896..6970, 7480..7560		

Seq. No.	7245	Seq. ID	OJ990421_07.9923.C2
Gene No.	15276	Strand	-
Start	6189	End	8004
Name	OJ990421_07.9923.C2.o1.gp	Method	AAT/GAP

Start 7287
GI 5038563
Exons 7287..7655

End 7655
Score 729

Seq. No. 7245 Seq. ID OJ990421_07.9923.C2
Gene No. 15277 Strand
Start 10261 End 14753
Name OJ990421_07.9923.C2.ol.ts Method TBLASTX:Soybean
Start 10261 End 14388
GI none Score 68
Exons 10261..10326, 10939..11028, 10958..11017, 11118..11177,
11126..11173, 11877..11909, 11880..11942, 12030..12173,
12031..12192, 12031..12198, 12262..12360, 12267..12332,
12507..12608, 12509..12604, 12695..12775, 12698..12775,
12705..12776, 12705..12776, 14323..14388

Seq. No. 7245 Seq. ID OJ990421_07.9923.C2
Gene No. 15277 Strand
Start 10261 End 14753
Name OJ990421_07.9923.C2.ol.tm Method TBLASTX:Maize
Start 12036 End 14753
GI none Score 151
Exons 12036..12173, 12036..12173, 12037..12180, 12037..12225,
12262..12360, 12266..12409, 12267..12335, 12500..12607,
12507..12608, 12507..12608, 12508..12609, 12698..12775,
12701..12775, 12705..12776, 14301..14576, 14323..14580,
14325..14642, 14327..14614, 14705..14752, 14706..14753

Seq. No. 7245 Seq. ID OJ990421_07.9923.C2
Gene No. 15277 Strand
Start 10261 End 14753
Name OJ990421_07.9923.C2.ol.tc Method TBLASTX:Cress
Start 12064 End 14388
GI none Score 179
Exons 12064..12192, 12070..12171, 12262..12360, 12479..12604,
12507..12608, 12507..12608, 12509..12634, 12698..12775,
12704..12775, 14323..14388

Seq. No. 7246 Seq. ID OJ990421_07.9923.C4
Gene No. 15278 Strand +
Start 330 End 492
Name OJ990421_07.9923.C4.ol.gs Method GENSCAN
Start 330 End 492
GI none Score .43
Exons 330..363, 410..492

Seq. No. 7247 Seq. ID OJ990421_07.9923.C5
Gene No. 15279 Strand +
Start 1 End 722
Name OJ990421_07.9923.C5.ol.np Method AAT/NAP
Start 1 End 722
GI 5441880 Score 216
Exons 1..361, 460..722
GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the
predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No. 7247
 Gene No. 15279
 Start 1
 Name OJ990421_07.9923.C5.o1.gs
 Start 97
 GI none
 Exons 97..353, 446..713

Seq. ID OJ990421_07.9923.C5
 Strand +
 End 722
 Method GENSCAN
 End 713
 Score .58

Seq. No. 7248
 Gene No. 15280
 Start 502
 Name OJ990421_07.9923.C6.o1.gs
 Start 502
 GI none
 Exons 502..555, 613..771

Seq. ID OJ990421_07.9923.C6
 Strand -
 End 771
 Method GENSCAN
 End 771
 Score .4

Seq. No. 7249
 Gene No. 15281
 Start 1
 Name OJ990421_07.9923.C7.o1.np
 Start 1
 GI 4206306
 Exons 1..1468, 4075..4150
 GI Descrip. (AF049110) prpol [Zea mays]

Seq. ID OJ990421_07.9923.C7
 Strand +
 End 4150
 Method AAT/NAP
 End 4150
 Score 1355

Seq. No. 7249
 Gene No. 15281
 Start 1
 Name OJ990421_07.9923.C7.o1.gs
 Start 58
 GI none
 Exons 58..299, 503..689, 931..1490

Seq. ID OJ990421_07.9923.C7
 Strand +
 End 4150
 Method GENSCAN
 End 1490
 Score .55

Seq. No. 7249
 Gene No. 15282
 Start 1731
 Name OJ990421_07.9923.C7.o1.tw
 Start 108
 GI none
 Exons 108..344, 341..547, 346..546

Seq. ID OJ990421_07.9923.C7
 Strand -
 End 6625
 Method TBLASTX:Wheat
 End 547
 Score 175

Seq. No. 7249
 Gene No. 15282
 Start 1731
 Name OJ990421_07.9923.C7.o1.tm
 Start 287
 GI none
 Exons 287..343, 288..344, 337..576, 341..577

Seq. ID OJ990421_07.9923.C7
 Strand -
 End 6625
 Method TBLASTX:Maize
 End 577
 Score 69

Seq. No. 7249
 Gene No. 15282
 Start 1731
 Name OJ990421_07.9923.C7.o2.tm
 Start 605
 GI none
 Exons 605..844, 646..837, 848..955, 848..952, 849..965

Seq. ID OJ990421_07.9923.C7
 Strand -
 End 6625
 Method TBLASTX:Maize
 End 965
 Score 241

Seq. No.	7249	Seq. ID	OJ990421_07.9923.C7
Gene No.	15282	Strand	-
Start	1731	End	6625
Name	OJ990421_07.9923.C7.o2.tw	Method	TBLASTX:Wheat
Start	662	End	1061
GI	none	Score	200
Exons	662..844, 667..837, 849..1061, 854..952		

Seq. No.	7249	Seq. ID	OJ990421_07.9923.C7
Gene No.	15282	Strand	-
Start	1731	End	6625
Name	OJ990421_07.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	740	End	1073
GI	none	Score	126
Exons	740..835, 745..837, 822..1073		

Seq. No.	7249	Seq. ID	OJ990421_07.9923.C7
Gene No.	15282	Strand	-
Start	1731	End	6625
Name	OJ990421_07.9923.C7.o3.tw	Method	TBLASTX:Wheat
Start	1136	End	1376
GI	none	Score	216
Exons	1136..1279, 1143..1376		

Seq. No.	7249	Seq. ID	OJ990421_07.9923.C7
Gene No.	15282	Strand	-
Start	1731	End	6625
Name	OJ990421_07.9923.C7.o2.gs	Method	GENSCAN
Start	1731	End	6415
GI	none	Score	.64
Exons	1731..2452, 2563..2860, 4971..5103, 5189..5305, 5399..5533, 5571..5836, 6269..6415		

Seq. No.	7249	Seq. ID	OJ990421_07.9923.C7
Gene No.	15282	Strand	-
Start	1731	End	6625
Name	OJ990421_07.9923.C7.o2.np	Method	AAT/NAP
Start	5022	End	6625
GI	6523547	Score	407
Exons	5022..5305, 5589..6028, 6061..6625		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o1.np	Method	AAT/NAP
Start	1	End	1347
GI	6635256	Score	159
Exons	1..99, 909..1347		
GI Descrip.	(AB036339) tRNA intron endonuclease [Arabidopsis thaliana] gi 6635258 dbj BAA88628.1 (AB036340) tRNA intron endonuclease [Arabidopsis thaliana]		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205

Name	OJ990421_07.9923.C8.o1.gs	Method	GENSCAN
Start	454	End	3933
GI	none	Score	.46
Exons	454..478, 836..1383, 1893..2332, 2421..2649, 2765..2930, 3050..3118, 3594..3740, 3854..3933		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	940	End	1400
GI	none	Score	262
Exons	940..1356, 941..1357, 1208..1360, 1221..1400, 1222..1362		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	1798	End	8870
GI	none	Score	211
Exons	1798..1998, 1801..1950, 1803..1997, 1953..2069, 1962..2120, 1969..2070, 2070..2198, 2110..2196, 2199..2228, 4671..4868, 4672..4809, 4674..4868, 4902..4991, 4914..4940, 4944..5069, 4945..5073, 8478..8690, 8488..8643, 8496..8678, 8745..8870, 8745..8837		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o2.np	Method	AAT/NAP
Start	1800	End	10199
GI	3426064	Score	867
Exons	1800..2011, 8669..9006, 9107..9330, 9415..9616, 9854..10026, 10120..10199		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	1806	End	10029
GI	none	Score	80
Exons	1806..2015, 1861..1980, 2031..2264, 2041..2214, 2440..2667, 2450..2650, 2762..2932, 2763..2921, 2786..2923, 3608..3742, 3633..3743, 4671..4880, 4872..5138, 4930..5064, 5158..5232, 5329..5541, 5330..5551, 5612..5773, 6590..6766, 6657..6767, 8487..8684, 8491..8640, 8739..8837, 9079..9333, 9122..9331, 9412..9570, 9873..10028, 9919..10029		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o2.ts	Method	TBLASTX:Soybean
Start	1806	End	8837
GI	none	Score	75

Exons 1806..1916, 2016..2237, 2110..2208, 4668..4781, 4875..5108,
4927..5109, 8487..8594, 8739..8837

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205
Name OJ990421_07.9923.C8.o1.ts Method TBLASTX:Soybean
Start 2428 End 9456
GI none Score 170
Exons 2428..2667, 2432..2650, 2762..2806, 5317..5541, 5330..5422,
5441..5545, 5612..5656, 9109..9333, 9113..9214, 9233..9331,
9412..9456

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205
Name OJ990421_07.9923.C8.o4.tm Method TBLASTX:Maize
Start 2449 End 9342
GI none Score 152
Exons 2449..2652, 2450..2650, 2479..2652, 2532..2690, 5331..5456,
5333..5539, 5335..5541, 9088..9342, 9125..9331

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205
Name OJ990421_07.9923.C8.o1.gp Method AAT/GAP
Start 2467 End 4003
GI 4715556 Score 1291
Exons 2467..2649, 2765..2930, 3050..3118, 3594..3740, 3854..4003
GI Descrip. 3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase
[Arabidopsis thaliana] >gi 4467141_emb CAB37510_ (AL035540)
monooxygenase 2 (MO2) [Arabidopsis thaliana]

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205
Name OJ990421_07.9923.C8.o1.tw Method TBLASTX:Wheat
Start 2585 End 9583
GI none Score 91
Exons 2585..2650, 2587..2652, 2587..2649, 2757..2933, 2762..2932,
5476..5538, 5477..5539, 5612..5785, 5613..5783, 9268..9330,
9269..9364, 9412..9579, 9413..9583

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205
Name OJ990421_07.9923.C8.o2.tw Method TBLASTX:Wheat
Start 3039 End 10163
GI none Score 55
Exons 3039..3119, 3050..3121, 3052..3111, 3059..3121, 3593..3742,
3630..3743, 3715..3747, 6584..6766, 6642..6767, 6651..6767,
6847..6906, 9731..9808, 9735..9800, 9855..10028, 9904..10029,
10119..10163

Seq. No. 7250 Seq. ID OJ990421_07.9923.C8
Gene No. 15283 Strand -
Start 1 End 10205

Name	OJ990421_07.9923.C8.o3.tm	Method	TBLASTX:Maize
Start	3577	End	10029
GI	none	Score	87
Exons	3577..3663, 3578..3655, 3581..3742, 3582..3743, 3715..3762, 6599..6766, 6617..6766, 6645..6800, 6651..6767, 6847..6906, 9891..10028, 9907..10029		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o2.gs	Method	GENSCAN
Start	4650	End	6933
GI	none	Score	.94
Exons	4650..5203, 5310..5538, 5615..5780, 5863..5931, 6618..6764, 6848..6933		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o2.gp	Method	AAT/GAP
Start	4742	End	5098
GI	71705_1.R1084	Score	673
Exons	4742..5098		
GI Descrip.	'3426064/emb CAA07575.1 1.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o3.gp	Method	AAT/GAP
Start	5641	End	6989
GI	25992_1.R1084	Score	899
Exons	5641..5780, 5863..5931, 6618..6764, 6848..6989		
GI Descrip.	'3426064/emb CAA07575.1 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	7250	Seq. ID	OJ990421_07.9923.C8
Gene No.	15283	Strand	-
Start	1	End	10205
Name	OJ990421_07.9923.C8.o3.gs	Method	GENSCAN
Start	8484	End	10205
GI	none	Score	.8
Exons	8484..9010, 9102..9330, 9415..9580, 9729..9797, 9850..10026, 10120..10205		

Seq. No.	7251	Seq. ID	OJ990421_07.9923.C9
Gene No.	15284	Strand	-
Start	1	End	1038
Name	OJ990421_07.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	6006359	Score	70
Exons	1..37, 662..781, 993..1038		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	7251	Seq. ID	OJ990421_07.9923.C9
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Gene No.	15284	Strand	-
Start	1	End	1038
Name	OJ990421_07.9923.C9.o1.gs	Method	GENSCAN
Start	603	End	833
GI	none	Score	.44
Exons	603..833		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15285	Strand	+
Start	134	End	1446
Name	OJ990421_07.9923.C10.o1.gs	Method	GENSCAN
Start	134	End	1446
GI	none	Score	.63
Exons	134..555, 747..871, 935..1067, 1263..1309, 1355..1446		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15286	Strand	-
Start	2655	End	3290
Name	OJ990421_07.9923.C10.o2.gs	Method	GENSCAN
Start	2655	End	3290
GI	none	Score	.95
Exons	2655..3290		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	3830	End	4195
GI	none	Score	115
Exons	3830..4150, 3840..4013, 3848..4030, 4100..4195, 4100..4192		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o1.np	Method	AAT/NAP
Start	3833	End	6860
GI	3426064	Score	793
Exons	3833..4353, 4446..4674, 4752..4977, 6424..6570, 6781..6860		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o3.gs	Method	GENSCAN
Start	3836	End	6881
GI	none	Score	.9
Exons	3836..4353, 4446..4674, 4752..4950, 5006..5074, 6424..6570, 6781..6881		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	3839	End	6852
GI	none	Score	69

Exons 3839..4036, 3843..4010, 4013..4192, 4137..4193, 4450..4683,
4466..4681, 4749..4907, 6426..6572, 6463..6573, 6772..6852

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o2.ts	Method	TBLASTX:Soybean
Start	3839	End	4268
GI	none	Score	69
Exons	3839..3925, 4019..4192, 4134..4268		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	4453	End	4793
GI	none	Score	111
Exons	4453..4683, 4457..4558, 4462..4677, 4577..4681, 4749..4793		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	4469	End	4704
GI	none	Score	143
Exons	4469..4675, 4471..4704		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o1.tw	Method	TBLASTX:Wheat
Start	4612	End	4920
GI	none	Score	71
Exons	4612..4683, 4613..4714, 4749..4916, 4750..4920		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o2.tw	Method	TBLASTX:Wheat
Start	5008	End	6834
GI	none	Score	151
Exons	5008..5082, 6435..6572, 6448..6573, 6781..6834		

Seq. No.	7252	Seq. ID	OJ990421_07.9923.C10
Gene No.	15287	Strand	-
Start	3836	End	6881
Name	OJ990421_07.9923.C10.o3.tm	Method	TBLASTX:Maize
Start	6435	End	6846
GI	none	Score	147
Exons	6435..6572, 6451..6573, 6781..6846		

Seq. No.	7253	Seq. ID	OJ990421_07.9923.C11
Gene No.	15288	Strand	+
Start	786	End	1034
Name	OJ990421_07.9923.C11.o1.gs	Method	GENSCAN
Start	786	End	1034
GI	none	Score	.55

Exons 786..1034

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15289	Strand	+
Start	4414	End	6694
Name	OJ990421_07.9923.C12.o2.gs	Method	GENSCAN
Start	4414	End	6669
GI	none	Score	.66
Exons	4414..6017, 6065..6132, 6157..6669		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15289	Strand	+
Start	4414	End	6694
Name	OJ990421_07.9923.C12.o1.np	Method	AAT/NAP
Start	4453	End	6694
GI	6850900	Score	1349
Exons	4453..5029, 5072..5420, 5490..6694		
GI Descrip.	(AL137898) copia-type polyprotein [Arabidopsis thaliana]		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15290	Strand	-
Start	3247	End	4070
Name	OJ990421_07.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	3241	End	3606
GI	none	Score	112
Exons	3241..3561, 3251..3424, 3259..3441, 3511..3606, 3511..3588		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15290	Strand	-
Start	3247	End	4070
Name	OJ990421_07.9923.C12.o1.gs	Method	GENSCAN
Start	3247	End	4070
GI	none	Score	.97
Exons	3247..3764, 3846..3981, 4035..4070		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15290	Strand	-
Start	3247	End	4070
Name	OJ990421_07.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	3250	End	3604
GI	none	Score	62
Exons	3250..3447, 3424..3603, 3548..3604		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15290	Strand	-
Start	3247	End	4070
Name	OJ990421_07.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	3250	End	3679
GI	none	Score	58
Exons	3250..3336, 3430..3603, 3545..3679		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15291	Strand	
Start	4316	End	5097
Name	OJ990421_07.9923.C12.o5.tm	Method	TBLASTX:Maize
Start	4316	End	4694
GI	none	Score	47

Exons 4316..4426, 4358..4384, 4456..4692, 4482..4694

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15291	Strand	
Start	4316	End	5097
Name	OJ990421_07.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	4588	End	4983
GI	none	Score	232
Exons	4588..4983, 4690..4926		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15291	Strand	
Start	4316	End	5097
Name	OJ990421_07.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	4708	End	5097
GI	none	Score	197
Exons	4708..4911, 4713..4907, 4923..4979, 4924..5034, 5014..5097		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15292	Strand	
Start	5514	End	5964
Name	OJ990421_07.9923.C12.o4.tm	Method	TBLASTX:Maize
Start	5514	End	5925
GI	none	Score	188
Exons	5514..5690, 5515..5733, 5794..5925		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15292	Strand	
Start	5514	End	5964
Name	OJ990421_07.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	5535	End	5964
GI	none	Score	169
Exons	5535..5738, 5536..5781, 5797..5904, 5905..5964		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15293	Strand	
Start	5973	End	6692
Name	OJ990421_07.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	5973	End	6257
GI	none	Score	184
Exons	5973..6257		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15293	Strand	
Start	5973	End	6692
Name	OJ990421_07.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	6078	End	6623
GI	none	Score	338
Exons	6078..6524, 6278..6517, 6528..6623		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15293	Strand	
Start	5973	End	6692
Name	OJ990421_07.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	6270	End	6692
GI	none	Score	384
Exons	6270..6611, 6278..6601, 6624..6692		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15293	Strand	
Start	5973	End	6692
Name	OJ990421_07.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	6297	End	6689
GI	none	Score	345
Exons	6297..6689, 6305..6598		

Seq. No.	7254	Seq. ID	OJ990421_07.9923.C12
Gene No.	15293	Strand	
Start	5973	End	6692
Name	OJ990421_07.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	6312	End	6689
GI	none	Score	234
Exons	6312..6689, 6314..6397, 6422..6595		

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15294	Strand	+
Start	1	End	1544
Name	OJ990421_07.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	1544
GI	5295971	Score	1488
Exons	1..1544		

GI Descrip. (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15294	Strand	+
Start	1	End	1544
Name	OJ990421_07.9923.C13.o1.gs	Method	GENSCAN
Start	45	End	1538
GI	none	Score	.5
Exons	45..1538		

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15295	Strand	+
Start	7849	End	11262
Name	OJ990421_07.9923.C13.o3.np	Method	AAT/NAP
Start	7849	End	11262
GI	3757522	Score	404
Exons	7849..8037, 8071..8362, 9982..10031, 10127..10183, 10376..10444, 11235..11262		

GI Descrip. (AC005167) putative splicing factor [Arabidopsis thaliana]

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o2.np	Method	AAT/NAP
Start	1	End	4412
GI	3426062	Score	240
Exons	1..43, 2046..2176, 3043..3212, 4000..4192, 4342..4412		

GI Descrip. (AJ007587) monooxygenase [Arabidopsis thaliana]

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-

Start 1
 Name OJ990421_07.9923.C13.o2.ts
 Start 9
 GI 5509260
 Exons 9..497, 74..247, 332..469
 GI Descrip. -

End 4412
 Method TBLASTX:Soybean
 End 497
 Score 362

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o2.tm
 Start 27
 GI none
 Exons 27..341, 45..326

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Maize
 End 341
 Score 318

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o2.tc
 Start 116
 GI none
 Exons 116..247, 117..380

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Cress
 End 380
 Score 224

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o1.tw
 Start 161
 GI none
 Exons 161..247, 162..506, 162..509, 492..716

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Wheat
 End 716
 Score 253

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o3.tm
 Start 543
 GI none
 Exons 543..806, 543..785, 545..805

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Maize
 End 806
 Score 245

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o1.tm
 Start 810
 GI none
 Exons 810..1262, 845..1189, 1062..1241

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Maize
 End 1262
 Score 425

Seq. No. 7255
 Gene No. 15296
 Start 1
 Name OJ990421_07.9923.C13.o1.tc
 Start 848
 GI none
 Exons 848..1117, 849..1142, 1146..1262, 1260..1511, 1302..1454, 1313..1459

Seq. ID OJ990421_07.9923.C13
 Strand -
 End 4412
 Method TBLASTX:Cress
 End 1511
 Score 274

Seq. No. 7255

Seq. ID OJ990421_07.9923.C13

Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	870	End	1520
GI	none	Score	151
Exons	870..1031, 899..1036, 1044..1520, 1331..1459		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	1038	End	1481
GI	none	Score	146
Exons	1038..1265, 1287..1481, 1313..1480		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o5.tm	Method	TBLASTX:Maize
Start	1268	End	1487
GI	none	Score	186
Exons	1268..1459, 1269..1487		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o2.gs	Method	GENSCAN
Start	1824	End	2210
GI	none	Score	.87
Exons	1824..2210		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	2009	End	2185
GI	none	Score	60
Exons	2009..2185, 2010..2060, 2079..2177		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	2009	End	2185
GI	none	Score	111
Exons	2009..2185, 2010..2177		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	2113	End	3211
GI	none	Score	81
Exons	2113..2163, 2114..2185, 2115..2177, 3040..3207, 3041..3211		
Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-

Start	1	End	4412
Name	OJ990421_07.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	3287	End	4195
GI	none	Score	157
Exons	3287..3355, 4057..4194, 4070..4195		

Seq. No.	7255	Seq. ID	OJ990421_07.9923.C13
Gene No.	15296	Strand	-
Start	1	End	4412
Name	OJ990421_07.9923.C13.o6.tm	Method	TBLASTX:Maize
Start	4057	End	4195
GI	none	Score	162
Exons	4057..4194, 4073..4195		

Seq. No.	7256	Seq. ID	OJ990421_07.9923.C15
Gene No.	15297	Strand	+
Start	134	End	706
Name	OJ990421_07.9923.C15.o1.np	Method	AAT/NAP
Start	134	End	706
GI	5541717	Score	196
Exons	134..263, 597..706		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	7256	Seq. ID	OJ990421_07.9923.C15
Gene No.	15297	Strand	+
Start	134	End	706
Name	OJ990421_07.9923.C15.o1.gs	Method	GENSCAN
Start	138	End	263
GI	none	Score	.44
Exons	138..263		

Seq. No.	7257	Seq. ID	OJ990421_07.9923.C18
Gene No.	15298	Strand	+
Start	1	End	593
Name	OJ990421_07.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	593
GI	119702	Score	152
Exons	1..153, 523..593		
GI Descrip.	EXONUCLEASE gi 75977 pir NDBPXL exonuclease (EC 3.1.-.-) - phage lambda gi 215137 (J02459) exonuclease [Bacteriophage lambda]		

Seq. No.	7257	Seq. ID	OJ990421_07.9923.C18
Gene No.	15299	Strand	-
Start	197	End	593
Name	OJ990421_07.9923.C18.o2.np	Method	AAT/NAP
Start	185	End	593
GI	137511	Score	258
Exons	185..593		
GI Descrip.	RECOMBINATION PROTEIN BET gi 75978 pir QBBPL recombination protein bet - phage lambda gi 215138 (J02459) bet (recombination;261) [Bacteriophage lambda]		

Seq. No.	7257	Seq. ID	OJ990421_07.9923.C18
Gene No.	15299	Strand	-
Start	197	End	593
Name	OJ990421_07.9923.C18.o1.gs	Method	GENSCAN

Start	197	End	526
GI	none	Score	.98
Exons	197..526		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15300	Strand	+
Start	1111	End	2674
Name	OJ990421_07.9923.C20.o1.gs	Method	GENSCAN
Start	1111	End	2674
GI	none	Score	.89
Exons	1111..1326, 1472..2674		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15300	Strand	+
Start	1111	End	2674
Name	OJ990421_07.9923.C20.o1.np	Method	AAT/NAP
Start	1123	End	2161
GI	4538930	Score	563
Exons	1123..1336, 1413..2161		
GI Descrip.	(AL049483) putative peroxidase [Arabidopsis thaliana]		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	1188	End	2248
GI	none	Score	156
Exons	1188..1343, 1198..1326, 1426..1890, 1429..1539, 1430..1891, 1895..2248, 1952..2230, 1972..2241		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	1198	End	2158
GI	none	Score	100
Exons	1198..1326, 1430..1495, 1502..1693, 1769..1813, 1892..2158		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o1.tc	Method	TBLASTX:Cress
Start	1282	End	2161
GI	none	Score	48
Exons	1282..1320, 1429..1671, 1430..1675, 1691..1813, 1696..1806, 1913..2161		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o1.tw	Method	TBLASTX:Wheat
Start	1535	End	1885
GI	none	Score	214
Exons	1535..1690, 1555..1689, 1670..1885, 1678..1884		
Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-

Start	3630	End	9612
Name	OJ990421_07.9923.C20.o2.gs	Method	GENSCAN
Start	3630	End	9567
GI	none	Score	.63
Exons	3630..4040, 5516..5647, 6001..6103, 6242..6309, 7041..7183, 7521..7713, 9088..9567		

Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o2.np	Method	AAT/NAP
Start	5495	End	9612
GI	1663724	Score	717
Exons	5495..5611, 6001..6103, 6242..6309, 7041..7183, 7521..7713, 9088..9612		
GI Descrip.	(U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]		

Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o2.ts	Method	TBLASTX:Soybean
Start	5504	End	9597
GI	none	Score	65
Exons	5504..5614, 5514..5612, 5541..5615, 5998..6096, 5999..6097, 7038..7142, 7519..7641, 7675..7725, 9088..9402, 9107..9328, 9455..9571, 9460..9597		

Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o2.tc	Method	TBLASTX:Cress
Start	5513	End	9543
GI	none	Score	81
Exons	5513..5614, 5998..6087, 5999..6097, 7038..7136, 7038..7175, 7519..7683, 7675..7722, 9088..9402, 9107..9328, 9448..9543		

Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o3.tm	Method	TBLASTX:Maize
Start	7119	End	9306
GI	none	Score	111
Exons	7119..7184, 7119..7184, 7120..7185, 7496..7714, 7519..7725, 7522..7716, 9086..9304, 9088..9306, 9107..9304		

Seq. No.	7258	Seq. ID	OJ990421_07.9923.C20
Gene No.	15301	Strand	-
Start	3630	End	9612
Name	OJ990421_07.9923.C20.o2.tm	Method	TBLASTX:Maize
Start	9307	End	9610
GI	none	Score	329
Exons	9307..9609, 9326..9610		

Seq. No.	7259	Seq. ID	OJ990421_07.9923.C21
Gene No.	15302	Strand	+
Start	1505	End	2236
Name	OJ990421_07.9923.C21.o1.np	Method	AAT/NAP

Start	1505	End	2236
GI	5441880	Score	411
Exons	1505..2236		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7260	Seq. ID	OJ990421_07.9923.C22
Gene No.	15303	Strand	+
Start	1	End	4272
Name	OJ990421_07.9923.C22.o1.np	Method	AAT/NAP
Start	1	End	3722
GI	5441880	Score	592
Exons	1..380, 822..871, 1133..2191, 2290..2510, 2813..3069, 3478..3722		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7260	Seq. ID	OJ990421_07.9923.C22
Gene No.	15303	Strand	+
Start	1	End	4272
Name	OJ990421_07.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	2	End	523
GI	none	Score	77
Exons	2..94, 19..63, 94..399, 95..403, 443..523, 445..471		

Seq. No.	7260	Seq. ID	OJ990421_07.9923.C22
Gene No.	15303	Strand	+
Start	1	End	4272
Name	OJ990421_07.9923.C22.o1.gs	Method	GENSCAN
Start	38	End	4272
GI	none	Score	.65
Exons	38..327, 490..1510, 1927..2183, 2276..2543, 2813..3175, 3212..3332, 3430..3597, 4139..4272		

Seq. No.	7260	Seq. ID	OJ990421_07.9923.C22
Gene No.	15303	Strand	+
Start	1	End	4272
Name	OJ990421_07.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	232	End	619
GI	none	Score	197
Exons	232..381, 233..409, 233..382, 422..619, 430..477, 434..523, 459..542		

Seq. No.	7261	Seq. ID	OJ990421_07.9923.C23
Gene No.	15304	Strand	+
Start	5479	End	6783
Name	OJ990421_07.9923.C23.o2.gs	Method	GENSCAN
Start	5479	End	6782
GI	none	Score	.9
Exons	5479..6028, 6158..6237, 6499..6599, 6716..6782		

Seq. No.	7261	Seq. ID	OJ990421_07.9923.C23
Gene No.	15304	Strand	+
Start	5479	End	6783
Name	OJ990421_07.9923.C23.o1.np	Method	AAT/NAP
Start	5491	End	6783

GI 3402689 Score 410
Exons 5491..6028, 6158..6237, 6499..6599, 6716..6783
GI Descrip. (AC004697) unknown protein [Arabidopsis thaliana]

Seq. No. 7261 Seq. ID OJ990421_07.9923.C23
Gene No. 15305 Strand -
Start 18 End 4077
Name OJ990421_07.9923.C23.ol.gs Method GENSCAN
Start 18 End 4077
GI none Score .8
Exons 18..173, 2132..2233, 3476..3576, 3849..4077

Seq. No. 7261 Seq. ID OJ990421_07.9923.C23
Gene No. 15305 Strand -
Start 18 End 4077
Name OJ990421_07.9923.C23.ol.tm Method TBLASTX:Maize
Start 1524 End 2444
GI none Score 274
Exons 1524..1703, 1525..1701, 1566..1742, 2120..2236, 2129..2233,
2306..2425, 2306..2425, 2307..2444

Seq. No. 7262 Seq. ID OJ990421_07.9923.C24
Gene No. 15306 Strand +
Start 1 End 427
Name OJ990421_07.9923.C24.ol.np Method AAT/NAP
Start 1 End 427
GI 3402689 Score 194
Exons 1..85, 199..292, 378..427
GI Descrip. (AC004697) unknown protein [Arabidopsis thaliana]

Seq. No. 7262 Seq. ID OJ990421_07.9923.C24
Gene No. 15307 Strand +
Start 378 End 947
Name OJ990421_07.9923.C24.ol.tc Method TBLASTX:Cress
Start 38 End 941
GI none Score 58
Exons 38..85, 199..300, 201..299, 223..300, 365..427, 376..429,
797..913, 798..941

Seq. No. 7262 Seq. ID OJ990421_07.9923.C24
Gene No. 15307 Strand +
Start 378 End 947
Name OJ990421_07.9923.C24.ol.gs Method GENSCAN
Start 378 End 947
GI none Score .73
Exons 378..426, 797..947

Seq. No. 7263 Seq. ID OJ990421_07.9923.C25
Gene No. 15308 Strand +
Start 259 End 2302
Name OJ990421_07.9923.C25.ol.np Method AAT/NAP
Start 259 End 2124
GI 3402691 Score 128
Exons 259..345, 663..719, 1532..1587, 2067..2124
GI Descrip. (AC004697) unknown protein [Arabidopsis thaliana]

Seq. No. 7263 Seq. ID OJ990421_07.9923.C25

Gene No.	15308	Strand	+
Start	259	End	2302
Name	OJ990421_07.9923.C25.o1.gs	Method	GENSCAN
Start	663	End	2302
GI	none	Score	.55
Exons	663..719, 1532..1587, 2194..2302		

Seq. No.	7263	Seq. ID	OJ990421_07.9923.C25
Gene No.	15309	Strand	+
Start	2359	End	2588
Name	OJ990421_07.9923.C25.o1.gp	Method	AAT/GAP
Start	2359	End	2588
GI	5005358	Score	392
Exons	2359..2588		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15310	Strand	+
Start	693	End	5099
Name	OJ990421_07.9923.C26.o1.gs	Method	GENSCAN
Start	693	End	5099
GI	none	Score	.65
Exons	693..969, 1214..1291, 1365..2022, 2479..2624, 2790..2938, 3154..3308, 3648..3853, 3939..4072, 4154..4455, 4685..4788, 5029..5099		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15310	Strand	+
Start	693	End	5099
Name	OJ990421_07.9923.C26.o1.gp	Method	AAT/GAP
Start	3155	End	3867
GI	none	Score	668
Exons	3155..3308, 3648..3867		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15310	Strand	+
Start	693	End	5099
Name	OJ990421_07.9923.C26.o2.gp	Method	AAT/GAP
Start	4037	End	4765
GI	28299_1.R1084	Score	783
Exons	4037..4072, 4154..4457, 4686..4765		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o2.tm	Method	TBLASTX:Maize
Start	936	End	1876
GI	none	Score	58
Exons	936..980, 938..988, 1213..1287, 1214..1288, 1215..1295, 1219..1290, 1379..1582, 1379..1516, 1381..1518, 1643..1696, 1683..1871, 1694..1876, 1694..1870, 1816..1875		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o4.tm	Method	TBLASTX:Maize

Start	1877	End	2560
GI	none	Score	207
Exons	1877..2056, 1911..2054, 1957..2055, 2473..2556, 2474..2560, 2474..2557		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o3.tm	Method	TBLASTX:Maize
Start	2946	End	3073
GI	none	Score	209
Exons	2946..3062, 2947..3063, 2948..3073, 2960..3064		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o1.tm	Method	TBLASTX:Maize
Start	3130	End	5166
GI	none	Score	229
Exons	3130..3309, 3174..3308, 3636..3851, 3645..3788, 3646..3852, 3646..3852, 3816..3854, 3838..4071, 3911..4084, 3936..4070, 3937..4071, 3938..4075, 4151..4414, 4159..4362, 4170..4382, 4367..4456, 4369..4458, 4369..4458, 4371..4460, 4683..4787, 4684..4788, 4686..4802, 5026..5103, 5038..5097, 5140..5166		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	3151	End	4074
GI	none	Score	201
Exons	3151..3309, 3153..3308, 3636..3686, 3646..3771, 3796..3897, 3810..3851, 3812..3862, 3933..4073, 3937..4074, 3941..4072		

Seq. No.	7264	Seq. ID	OJ990421_07.9923.C26
Gene No.	15311	Strand	+
Start	5109	End	5588
Name	OJ990421_07.9923.C26.o3.gp	Method	AAT/GAP
Start	5109	End	5588
GI	17795_1.R1084	Score	908
Exons	5109..5588		
GI Descrip.	'3426064/emb CAA07575.1 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	7265	Seq. ID	OJ990421_07.9923.C27
Gene No.	15312	Strand	+
Start	1	End	4357
Name	OJ990421_07.9923.C27.o1.np	Method	AAT/NAP
Start	1	End	4357
GI	5541717	Score	1146
Exons	1..197, 658..783, 877..1000, 1357..1541, 2163..2387, 2488..2628, 2714..2859, 3026..3114, 3768..3980, 4316..4357		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	7265	Seq. ID	OJ990421_07.9923.C27
Gene No.	15312	Strand	+

Start	1	End	4357
Name	OJ990421_07.9923.C27.o1.gs	Method	GENSCAN
Start	85	End	3980
GI	none	Score	.62
Exons	85..453, 683..783, 877..1041, 1356..1469, 2163..2384, 2471..2624, 2710..2859, 3026..3114, 3768..3980		

Seq. No.	7265	Seq. ID	OJ990421_07.9923.C27
Gene No.	15312	Strand	+
Start	1	End	4357
Name	OJ990421_07.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	2162	End	2387
GI	none	Score	229
Exons	2162..2386, 2163..2387		

Seq. No.	7265	Seq. ID	OJ990421_07.9923.C27
Gene No.	15312	Strand	+
Start	1	End	4357
Name	OJ990421_07.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	2551	End	2795
GI	none	Score	105
Exons	2551..2628, 2558..2647, 2708..2794, 2709..2795		

Seq. No.	7265	Seq. ID	OJ990421_07.9923.C27
Gene No.	15312	Strand	+
Start	1	End	4357
Name	OJ990421_07.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	3028	End	3954
GI	none	Score	116
Exons	3028..3114, 3033..3110, 3034..3111, 3059..3124, 3765..3953, 3767..3850, 3769..3954, 3846..3896		

Seq. No.	7266	Seq. ID	OJ990421_07.9923.C28
Gene No.	15313	Strand	+
Start	1	End	2609
Name	OJ990421_07.9923.C28.o1.np	Method	AAT/NAP
Start	1	End	2609
GI	5541717	Score	234
Exons	1..22, 352..492, 639..870, 1157..1545, 1623..1728, 1815..1907, 2245..2370, 2535..2609		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	7266	Seq. ID	OJ990421_07.9923.C28
Gene No.	15313	Strand	+
Start	1	End	2609
Name	OJ990421_07.9923.C28.o1.gs	Method	GENSCAN
Start	358	End	2370
GI	none	Score	.89
Exons	358..492, 639..818, 1182..1289, 1393..1518, 1599..1728, 1815..1907, 2245..2370		

Seq. No.	7266	Seq. ID	OJ990421_07.9923.C28
Gene No.	15313	Strand	+
Start	1	End	2609
Name	OJ990421_07.9923.C28.o1.tm	Method	TBLASTX:Maize
Start	1403	End	1754
GI	none	Score	85

Exons 1403..1489, 1414..1488, 1596..1754, 1598..1741

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15314	Strand	+
Start	1	End	2368
Name	OJ990421_07.9923.C29.o1.np	Method	AAT/NAP
Start	1	End	2356
GI	5541717	Score	502
Exons	1..60, 394..519, 1281..1424, 1979..2107, 2226..2356		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15314	Strand	+
Start	1	End	2368
Name	OJ990421_07.9923.C29.o1.gs	Method	GENSCAN
Start	414	End	2368
GI	none	Score	.99
Exons	414..519, 1281..1424, 1979..2107, 2226..2368		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o1.ts	Method	TBLASTX:Soybean
Start	1280	End	2365
GI	none	Score	155
Exons	1280..1426, 1309..1434, 1977..2099, 1978..2106, 2225..2365		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o2.np	Method	AAT/NAP
Start	1280	End	3929
GI	6498423	Score	562
Exons	1280..1343, 3276..3589, 3621..3929		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o2.tm	Method	TBLASTX:Maize
Start	2079	End	2370
GI	none	Score	50
Exons	2079..2105, 2080..2106, 2224..2370, 2225..2368		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o1.gp	Method	AAT/GAP
Start	2530	End	2936
GI	3759173	Score	586
Exons	2530..2817, 2898..2936		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	2785	End	4718

GI	none	Score	90
Exons	2785..2817, 2898..3011, 2898..3014, 2899..3015, 2899..3015, 4313..4408, 4314..4409, 4315..4395, 4316..4411, 4526..4579, 4528..4587, 4538..4621, 4539..4586, 4593..4643, 4606..4710, 4628..4717, 4629..4718		

Seq. No.	7267	Seq. ID	OJ990421_07.9923.C29
Gene No.	15315	Strand	-
Start	1280	End	4718
Name	OJ990421_07.9923.C29.o2.gs	Method	GENSCAN
Start	2874	End	4653
GI	none	Score	.71
Exons	2874..3012, 3337..3536, 3545..3729, 3734..3846, 4314..4402, 4538..4653		

Seq. No.	7268	Seq. ID	OJ990421_07.9923.C30
Gene No.	15316	Strand	-
Start	1	End	1852
Name	OJ990421_07.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	1852
GI	3757522	Score	131
Exons	1..214, 350..532, 1798..1852		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	7268	Seq. ID	OJ990421_07.9923.C30
Gene No.	15316	Strand	-
Start	1	End	1852
Name	OJ990421_07.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	125	End	1666
GI	none	Score	101
Exons	125..220, 126..221, 127..207, 128..223, 338..391, 340..399, 350..433, 351..398, 405..455, 418..522, 440..529, 441..530, 624..656, 1595..1666, 1603..1665		

Seq. No.	7268	Seq. ID	OJ990421_07.9923.C30
Gene No.	15316	Strand	-
Start	1	End	1852
Name	OJ990421_07.9923.C30.o1.gs	Method	GENSCAN
Start	126	End	1665
GI	none	Score	.9
Exons	126..214, 350..569, 1601..1665		

Seq. No.	7268	Seq. ID	OJ990421_07.9923.C30
Gene No.	15316	Strand	-
Start	1	End	1852
Name	OJ990421_07.9923.C30.o2.tm	Method	TBLASTX:Maize
Start	811	End	1039
GI	none	Score	48
Exons	811..858, 812..859, 861..1013, 874..1038, 875..1039		

Seq. No.	7269	Seq. ID	OJ990421_07.9923.C31
Gene No.	15317	Strand	-
Start	91	End	1924
Name	OJ990421_07.9923.C31.o1.gs	Method	GENSCAN
Start	91	End	1587
GI	none	Score	.76
Exons	91..155, 789..872, 1374..1587		

Seq. No.	7269	Seq. ID	OJ990421_07.9923.C31
Gene No.	15317	Strand	-
Start	91	End	1924
Name	OJ990421_07.9923.C31.ol.np	Method	AAT/NAP
Start	789	End	1587
GI	3757522	Score	371
Exons	789..872, 975..1049, 1085..1213, 1374..1587		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	7269	Seq. ID	OJ990421_07.9923.C31
Gene No.	15317	Strand	-
Start	91	End	1924
Name	OJ990421_07.9923.C31.ol.tm	Method	TBLASTX:Maize
Start	1094	End	1924
GI	none	Score	238
Exons	1094..1228, 1324..1593, 1371..1595, 1372..1599, 1827..1916, 1850..1924, 1852..1923		

Seq. No.	7269	Seq. ID	OJ990421_07.9923.C31
Gene No.	15317	Strand	-
Start	91	End	1924
Name	OJ990421_07.9923.C31.ol.ts	Method	TBLASTX:Soybean
Start	1371	End	1604
GI	none	Score	48
Exons	1371..1430, 1390..1428, 1464..1586, 1468..1587, 1470..1604		

Seq. No.	7270	Seq. ID	OJ990421_07.9923.C33
Gene No.	15318	Strand	+
Start	323	End	467
Name	OJ990421_07.9923.C33.ol.gs	Method	GENSCAN
Start	323	End	467
GI	none	Score	.57
Exons	323..467		

Seq. No.	7271	Seq. ID	OJ990421_07.9923.C34
Gene No.	15319	Strand	+
Start	1	End	678
Name	OJ990421_07.9923.C34.ol.gp	Method	AAT/GAP
Start	1	End	447
GI	148_1.R1084	Score	350
Exons	1..145, 342..447		
GI Descrip.	'5931625/dbj BAA84717.1 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	7271	Seq. ID	OJ990421_07.9923.C34
Gene No.	15319	Strand	+
Start	1	End	678
Name	OJ990421_07.9923.C34.ol.np	Method	AAT/NAP
Start	1	End	678
GI	5931625	Score	270
Exons	1..145, 342..460, 574..678		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	7271	Seq. ID	OJ990421_07.9923.C34
Gene No.	15319	Strand	+
Start	1	End	678

Name	OJ990421_07.9923.C34.ol.gs	Method	GENSCAN
Start	51	End	447
GI	none	Score	.94
Exons	51..145, 372..447		

Seq. No.	7272	Seq. ID	OJ990421_07.9923.C36
Gene No.	15320	Strand	-
Start	1	End	702
Name	OJ990421_07.9923.C36.ol.np	Method	AAT/NAP
Start	1	End	646
GI	3426064	Score	345
Exons	1..507, 589..646		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	7272	Seq. ID	OJ990421_07.9923.C36
Gene No.	15320	Strand	-
Start	1	End	702
Name	OJ990421_07.9923.C36.ol.tc	Method	TBLASTX:Cress
Start	2	End	661
GI	none	Score	57
Exons	2..190, 87..164, 167..346, 294..347, 593..661		

Seq. No.	7272	Seq. ID	OJ990421_07.9923.C36
Gene No.	15320	Strand	-
Start	1	End	702
Name	OJ990421_07.9923.C36.ol.tm	Method	TBLASTX:Maize
Start	2	End	349
GI	none	Score	97
Exons	2..304, 3..167, 254..349, 254..346		

Seq. No.	7272	Seq. ID	OJ990421_07.9923.C36
Gene No.	15320	Strand	-
Start	1	End	702
Name	OJ990421_07.9923.C36.ol.gs	Method	GENSCAN
Start	38	End	702
GI	none	Score	.97
Exons	38..507, 589..702		

Seq. No.	7273	Seq. ID	OJ990421_07.9923.C37
Gene No.	15321	Strand	+
Start	1	End	530
Name	OJ990421_07.9923.C37.ol.np	Method	AAT/NAP
Start	1	End	287
GI	3757522	Score	130
Exons	1..162, 243..287		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	7273	Seq. ID	OJ990421_07.9923.C37
Gene No.	15321	Strand	+
Start	1	End	530
Name	OJ990421_07.9923.C37.ol.tm	Method	TBLASTX:Maize
Start	45	End	286
GI	none	Score	105
Exons	45..161, 45..161, 46..162, 52..162, 243..284, 245..286		

Seq. No.	7273	Seq. ID	OJ990421_07.9923.C37
Gene No.	15321	Strand	+
Start	1	End	530
Name	OJ990421_07.9923.C37.o1.gs	Method	GENSCAN
Start	48	End	162
GI	none	Score	.64
Exons	48..162		

Seq. No.	7273	Seq. ID	OJ990421_07.9923.C37
Gene No.	15321	Strand	+
Start	1	End	530
Name	OJ990421_07.9923.C37.o1.gp	Method	AAT/GAP
Start	124	End	530
GI	3759173	Score	586
Exons	124..162, 243..530		

Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.np	Method	AAT/NAP
Start	1	End	414
GI	6440857	Score	301
Exons	1..414		

GI Descrip. (AU066528) 40S ribosomal protein S9 [Chlamydomonas sp.]

Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.gp	Method	AAT/GAP
Start	137	End	386
GI	5144_1.R1084	Score	433
Exons	137..386		

GI Descrip. '3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'

Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.ts	Method	TBLASTX:Soybean
Start	137	End	404
GI	none	Score	204
Exons	137..385, 139..384, 186..404		

Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.tm	Method	TBLASTX:Maize
Start	137	End	387
GI	none	Score	243
Exons	137..385, 139..387, 139..384		

Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.tc	Method	TBLASTX:Cress
Start	137	End	408

GI	none	Score	167
Exons	137..319, 138..404, 139..408, 139..405		
Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.tw	Method	TBLASTX:Wheat
Start	139	End	400
GI	none	Score	259
Exons	139..387, 139..384, 146..400		
Seq. No.	7274	Seq. ID	OJ990421_07.9923.C38
Gene No.	15322	Strand	-
Start	1	End	414
Name	OJ990421_07.9923.C38.o1.gs	Method	GENSCAN
Start	192	End	386
GI	none	Score	.8
Exons	192..386		
Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15323	Strand	+
Start	1	End	440
Name	OJ990421_07.9923.C39.o1.np	Method	AAT/NAP
Start	1	End	440
GI	5257259	Score	106
Exons	1..68, 363..440		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		
Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15324	Strand	+
Start	481	End	567
Name	OJ990421_07.9923.C39.o1.gs	Method	GENSCAN
Start	481	End	567
GI	none	Score	.98
Exons	481..567		
Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15325	Strand	-
Start	3233	End	3771
Name	OJ990421_07.9923.C39.o1.tm	Method	TBLASTX:Maize
Start	3210	End	3765
GI	none	Score	106
Exons	3210..3320, 3217..3363, 3516..3596, 3518..3628, 3522..3617, 3544..3618, 3598..3765, 3613..3762		
Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15325	Strand	-
Start	3233	End	3771
Name	OJ990421_07.9923.C39.o2.np	Method	AAT/NAP
Start	3233	End	3763
GI	4884932	Score	202
Exons	3233..3307, 3518..3763		
GI Descrip.	(AF141659) AtHVA22a [Arabidopsis thaliana] gi 4884944 gb AAD31885.1 AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi 6539254 gb AAF15924.1 AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana]		

Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15325	Strand	-
Start	3233	End	3771
Name	OJ990421_07.9923.C39.o1.tw	Method	TBLASTX:Wheat
Start	3525	End	3771
GI	none	Score	44
Exons	3525..3575, 3607..3762, 3625..3771		

Seq. No.	7275	Seq. ID	OJ990421_07.9923.C39
Gene No.	15326	Strand	
Start	7177	End	7452
Name	OJ990421_07.9923.C39.o2.tm	Method	TBLASTX:Maize
Start	7177	End	7452
GI	none	Score	238
Exons	7177..7452, 7179..7283		

Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.o1.np	Method	AAT/NAP
Start	84	End	1180
GI	4884932	Score	193
Exons	84..404, 1130..1180		
GI Descrip.	(AF141659) AtHVA22a [Arabidopsis thaliana] gi 4884944 gb AAD31885.1 AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi 6539254 gb AAF15924.1 AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana]		

Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.o1.tc	Method	TBLASTX:Cress
Start	144	End	405
GI	none	Score	84
Exons	144..302, 245..403, 264..386, 298..405		

Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.o1.ts	Method	TBLASTX:Soybean
Start	148	End	417
GI	none	Score	66
Exons	148..291, 159..299, 246..401, 254..403, 266..412, 304..417		

Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.o1.tm	Method	TBLASTX:Maize
Start	157	End	406
GI	none	Score	106
Exons	157..237, 159..269, 163..258, 239..406, 254..403		

Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.o1.gs	Method	GENSCAN
Start	159	End	543

GI	none	Score	.75
Exons	159..404, 541..543		
Seq. No.	7276	Seq. ID	OJ990421_07.9923.C40
Gene No.	15327	Strand	-
Start	84	End	1180
Name	OJ990421_07.9923.C40.ol.tw	Method	TBLASTX:Wheat
Start	166	End	412
GI	none	Score	44
Exons	166..216, 248..403, 258..404, 266..412		

Seq. No.	7277	Seq. ID	OJ990421_07.9923.C42
Gene No.	15328	Strand	-
Start	1	End	1126
Name	OJ990421_07.9923.C42.ol.gp	Method	AAT/GAP
Start	1	End	1126
GI	4715556	Score	767
Exons	1..53, 173..241, 717..863, 977..1126		
GI Descrip.	3426064/emb CAA07575.1 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	7277	Seq. ID	OJ990421_07.9923.C42
Gene No.	15328	Strand	-
Start	1	End	1126
Name	OJ990421_07.9923.C42.ol.np	Method	AAT/NAP
Start	1	End	1056
GI	3426064	Score	183
Exons	1..37, 646..863, 977..1056		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi 4467141 emb CAB37510 (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	7277	Seq. ID	OJ990421_07.9923.C42
Gene No.	15328	Strand	-
Start	1	End	1126
Name	OJ990421_07.9923.C42.ol.tw	Method	TBLASTX:Wheat
Start	30	End	870
GI	none	Score	39
Exons	30..56, 32..55, 162..242, 173..244, 175..234, 182..244, 702..800, 716..865, 753..866, 838..870		

Seq. No.	7277	Seq. ID	OJ990421_07.9923.C42
Gene No.	15328	Strand	-
Start	1	End	1126
Name	OJ990421_07.9923.C42.ol.gs	Method	GENSCAN
Start	173	End	1056
GI	none	Score	.88
Exons	173..241, 717..863, 977..1056		

Seq. No.	7277	Seq. ID	OJ990421_07.9923.C42
Gene No.	15328	Strand	-
Start	1	End	1126
Name	OJ990421_07.9923.C42.ol.tm	Method	TBLASTX:Maize
Start	700	End	885
GI	none	Score	87
Exons	700..786, 701..778, 704..865, 705..866, 838..885		

Seq. No. 7278
 Gene No. 15329
 Start 222
 Name OJ990421_07.9923.C46.o1.gs
 Start 222
 GI none
 Exons 222..418, 473..660

Seq. ID OJ990421_07.9923.C46
 Strand -
 End 660
 Method GENSCAN
 End 660
 Score .51

Seq. No. 7279
 Gene No. 15330
 Start 56
 Name OJ990421_07.9923.C47.o1.gp
 Start 56
 GI 2769 1.R1084
 Exons 56..230
 GI Descrip. '1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase
 [Nicotiana tabacum]'

Seq. ID OJ990421_07.9923.C47
 Strand -
 End 230
 Method AAT/GAP
 End 230
 Score 312

Seq. No. 7280
 Gene No. 15331
 Start 76
 Name OJ990421_07.9923.C48.o1.gs
 Start 76
 GI none
 Exons 76..141, 392..508

Seq. ID OJ990421_07.9923.C48
 Strand -
 End 508
 Method GENSCAN
 End 508
 Score .87

Seq. No. 7281
 Gene No. 15332
 Start 474
 Name OJ990421_07.9923.C51.o1.gs
 Start 474
 GI none
 Exons 474..541

Seq. ID OJ990421_07.9923.C51
 Strand +
 End 541
 Method GENSCAN
 End 541
 Score .57

Seq. No. 7282
 Gene No. 15333
 Start 327
 Name OJ990421_07.9923.C53.o1.gp
 Start 327
 GI 5004678
 Exons 327..570

Seq. ID OJ990421_07.9923.C53
 Strand -
 End 570
 Method AAT/GAP
 End 570
 Score 421

Seq. No. 7283
 Gene No. 15334
 Start 732
 Name OJ990421_07.9923.C56.o1.gs
 Start 732
 GI none
 Exons 732..887

Seq. ID OJ990421_07.9923.C56
 Strand -
 End 887
 Method GENSCAN
 End 887
 Score .98

Seq. No. 7284
 Gene No. 15335
 Start 1
 Name OJ990421_07.9923.C59.o1.np
 Start 1
 GI 4206306

Seq. ID OJ990421_07.9923.C59
 Strand +
 End 668
 Method AAT/NAP
 End 668
 Score 444

Exons 1..668
GI Descrip. (AF049110) prpol [Zea mays]

Seq. No. 7284
Gene No. 15335
Start 1
Name OJ990421_07.9923.C59.ol.gs
Start 58
GI none
Exons 58..585

Seq. ID OJ990421_07.9923.C59
Strand +
End 668
Method GENSCAN
End 585
Score .58

Seq. No. 7284
Gene No. 15335
Start 1
Name OJ990421_07.9923.C59.ol.tw
Start 249
GI none
Exons 249..359, 366..587

Seq. ID OJ990421_07.9923.C59
Strand +
End 668
Method TBLASTX:Wheat
End 587
Score 65

Seq. No. 7285
Gene No. 15336
Start 236
Name OJ990421_07.9923.C60.ol.gs
Start 236
GI none
Exons 236..504

Seq. ID OJ990421_07.9923.C60
Strand -
End 504
Method GENSCAN
End 504
Score .57

Seq. No. 7286
Gene No. 15337
Start 11
Name OJ990421_07.9923.C62.ol.gs
Start 11
GI none
Exons 11..336

Seq. ID OJ990421_07.9923.C62
Strand -
End 336
Method GENSCAN
End 336
Score .68

Seq. No. 7287
Gene No. 15338
Start 426
Name OJ990421_07.9923.C64.ol.gs
Start 426
GI none
Exons 426..494

Seq. ID OJ990421_07.9923.C64
Strand -
End 494
Method GENSCAN
End 494
Score .88

Seq. No. 7288
Gene No. 15339
Start 573
Name OJ990421_07.9923.C65.ol.gp
Start 573
GI 4715947
Exons 573..637

Seq. ID OJ990421_07.9923.C65
Strand -
End 637
Method AAT/GAP
End 637
Score 61

GI Descrip. 2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]

Seq. No. 7289

Seq. ID OJ990421_06.9923.C1

Gene No.	15340	Strand	+
Start	167	End	394
Name	OJ990421_06.9923.C1.o1.gp	Method	AAT/GAP
Start	167	End	394
GI	30241_1.R1084	Score	405
Exons	167..394		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	7289	Seq. ID	OJ990421_06.9923.C1
Gene No.	15340	Strand	+
Start	167	End	394
Name	OJ990421_06.9923.C1.o1.gs	Method	GENSCAN
Start	250	End	305
GI	none	Score	.89
Exons	250..305		

Seq. No.	7290	Seq. ID	OJ990421_06.9923.C2
Gene No.	15341	Strand	-
Start	17	End	128
Name	OJ990421_06.9923.C2.o1.gs	Method	GENSCAN
Start	17	End	128
GI	none	Score	.44
Exons	17..128		

Seq. No.	7291	Seq. ID	OJ990421_06.9923.C4
Gene No.	15342	Strand	+
Start	254	End	410
Name	OJ990421_06.9923.C4.o1.gs	Method	GENSCAN
Start	254	End	410
GI	none	Score	.54
Exons	254..410		

Seq. No.	7292	Seq. ID	OJ990421_06.9923.C5
Gene No.	15343	Strand	+
Start	16	End	86
Name	OJ990421_06.9923.C5.o1.gs	Method	GENSCAN
Start	16	End	86
GI	none	Score	.84
Exons	16..86		

Seq. No.	7293	Seq. ID	OJ990421_06.9923.C6
Gene No.	15344	Strand	-
Start	496	End	599
Name	OJ990421_06.9923.C6.o1.gs	Method	GENSCAN
Start	496	End	599
GI	none	Score	.41
Exons	496..599		

Seq. No.	7294	Seq. ID	OJ990421_06.9923.C7
Gene No.	15345	Strand	+
Start	1	End	235
Name	OJ990421_06.9923.C7.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	20435_1.R1084	Score	470
Exons	1..235		
GI Descrip.	'4512237/dbj BAA75235.1 2.0e-89 (AB014746) polyprotein [Hordeum		

.vulgare]'

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o2.gs	Method	GENSCAN
Start	4882	End	19325
GI	none	Score	.73
Exons	4882..4901, 6459..6667, 7709..7869, 8272..8766, 9430..9730, 9862..9950, 13479..13637, 13953..14035, 14729..15020, 16918..16988, 17515..17717, 17845..18115, 19081..19163, 19195..19325		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o2.np	Method	AAT/NAP
Start	5886	End	8658
GI	1708618	Score	32
Exons	5886..5928, 8479..8658		
GI Descrip.	NUCLEAR FACTOR NF-KAPPA-B P100 SUBUNIT [CONTAINS: NUCLEAR FACTOR NF-KAPPA-B P52 SUBUNIT] gi 407031 (U00111) NF-kB p52/p100 [Gallus gallus] gi 738738 prf 2001399A NF-kappa B p100 protein [Gallus gallus]		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o1.gp	Method	AAT/GAP
Start	6469	End	8737
GI	none	Score	1718
Exons	6469..6667, 7709..7869, 7948..8022, 8272..8737		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o2.gp	Method	AAT/GAP
Start	12371	End	14261
GI	none	Score	1342
Exons	12371..12401, 12490..12533, 12611..12665, 13477..13780, 13953..14261		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o4.gp	Method	AAT/GAP
Start	17494	End	18038
GI	none	Score	876
Exons	17494..17839, 17913..18038		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15346	Strand	+
Start	4882	End	19520
Name	OJ990421_06.9923.C8.o5.gp	Method	AAT/GAP
Start	18046	End	19520
GI	none	Score	832
Exons	18046..18115, 18308..18373, 19195..19520		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15347	Strand	+
Start	20333	End	21786
Name	OJ990421_06.9923.C8.o3.np	Method	AAT/NAP
Start	20200	End	20833
GI	4234854	Score	718
Exons	20200..20833		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15347	Strand	+
Start	20333	End	21786
Name	OJ990421_06.9923.C8.o3.gs	Method	GENSCAN
Start	20333	End	21786
GI	none	Score	.43
Exons	20333..20692, 21046..21156, 21203..21363, 21401..21456, 21534..21644, 21701..21786		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15348	Strand	+
Start	22735	End	23035
Name	OJ990421_06.9923.C8.o4.np	Method	AAT/NAP
Start	22735	End	23035
GI	13203	Score	475
Exons	22735..23035		
GI Descrip.	(X53710) apocytochrome b [Oryza sativa]		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15349	Strand	+
Start	23849	End	27871
Name	OJ990421_06.9923.C8.o4.gs	Method	GENSCAN
Start	23849	End	27050
GI	none	Score	.59
Exons	23849..23896, 24370..24493, 24580..24668, 24829..24953, 25834..26040, 26315..26543, 26607..27050		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15349	Strand	+
Start	23849	End	27871
Name	OJ990421_06.9923.C8.o5.np	Method	AAT/NAP
Start	26239	End	27871
GI	5922636	Score	291
Exons	26239..26314, 26809..27044, 27826..27871		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016869 dbj BAA85212.1 (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15350	Strand	-
Start	1071	End	1888
Name	OJ990421_06.9923.C8.o1.np	Method	AAT/NAP
Start	1071	End	1888
GI	4680186	Score	235
Exons	1071..1225, 1729..1888		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15351	Strand	-
Start	14388	End	14671
Name	OJ990421_06.9923.C8.o3.gp	Method	AAT/GAP
Start	14388	End	14671
GI	uC-osroM202017a05a1	Score	568
Exons	14388..14671		
GI Descrip.	'6041846/gb AAF02155.1 AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15352	Strand	-
Start	21480	End	21533
Name	OJ990421_06.9923.C8.o6.gp	Method	AAT/GAP
Start	21480	End	21533
GI	none	Score	63
Exons	21480..21533		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15353	Strand	-
Start	23940	End	24054
Name	OJ990421_06.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	20214	End	20794
GI	none	Score	44
Exons	20214..20270, 20291..20395, 20378..20554, 20597..20794		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15353	Strand	-
Start	23940	End	24054
Name	OJ990421_06.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	20214	End	20779
GI	none	Score	68
Exons	20214..20288, 20291..20395, 20408..20587, 20597..20779		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15353	Strand	-
Start	23940	End	24054
Name	OJ990421_06.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	20383	End	20782
GI	none	Score	262
Exons	20383..20616, 20387..20782, 20420..20626		

Seq. No.	7295	Seq. ID	OJ990421_06.9923.C8
Gene No.	15353	Strand	-
Start	23940	End	24054
Name	OJ990421_06.9923.C8.o8.gp	Method	AAT/GAP
Start	23940	End	24054
GI	uC-osflcyp091g05a1	Score	196
Exons	23940..24054		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	7296	Seq. ID	OJ990421_06.9923.C9
Gene No.	15354	Strand	-
Start	98	End	2117

Name OJ990421_06.9923.C9.o1.gs
 Start 98
 GI none
 Exons 98..202, 427..477, 1926..2117

Method GENSCAN
 End 2117
 Score .44

Seq. No. 7297
 Gene No. 15355
 Start 1
 Name OJ990421_06.9923.C11.o1.np
 Start 1
 GI 4262224
 Exons 1..519, 598..942
 GI Descrip. (AC006200) putative amino acid permease [Arabidopsis thaliana]

Seq. ID OJ990421_06.9923.C11
 Strand +
 End 964
 Method AAT/NAP
 End 942
 Score 824

Seq. No. 7297
 Gene No. 15355
 Start 1
 Name OJ990421_06.9923.C11.o1.gs
 Start 100
 GI none
 Exons 100..945

Seq. ID OJ990421_06.9923.C11
 Strand +
 End 964
 Method GENSCAN
 End 945
 Score .51

Seq. No. 7297
 Gene No. 15355
 Start 1
 Name OJ990421_06.9923.C11.o2.gp
 Start 597
 GI 60111_1.R1084
 Exons 597..964
 GI Descrip. '2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]'

Seq. ID OJ990421_06.9923.C11
 Strand +
 End 964
 Method AAT/GAP
 End 964
 Score 703

Seq. No. 7297
 Gene No. 15356
 Start 88
 Name OJ990421_06.9923.C11.o1.gp
 Start 88
 GI uC-osf1M202062f04b1
 Exons 88..262
 GI Descrip. '4262224/gb|AAD14517| 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]'

Seq. ID OJ990421_06.9923.C11
 Strand -
 End 948
 Method AAT/GAP
 End 262
 Score 310

Seq. No. 7297
 Gene No. 15356
 Start 88
 Name OJ990421_06.9923.C11.o1.tc
 Start 99
 GI none
 Exons 99..554, 103..591, 597..947, 598..948

Seq. ID OJ990421_06.9923.C11
 Strand -
 End 948
 Method TBLASTX:Cress
 End 948
 Score 475

Seq. No. 7297
 Gene No. 15356
 Start 88
 Name OJ990421_06.9923.C11.o2.ts
 Start 99
 GI none
 Exons 99..254, 103..255, 246..413, 247..414

Seq. ID OJ990421_06.9923.C11
 Strand -
 End 948
 Method TBLASTX:Soybean
 End 414
 Score 144

Seq. No.	7297	Seq. ID	OJ990421_06.9923.C11
Gene No.	15356	Strand	-
Start	88	End	948
Name	OJ990421_06.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	291	End	945
GI	none	Score	110
Exons	291..413, 300..512, 301..567, 304..519, 597..944, 598..945		

Seq. No.	7297	Seq. ID	OJ990421_06.9923.C11
Gene No.	15356	Strand	-
Start	88	End	948
Name	OJ990421_06.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	613	End	948
GI	none	Score	220
Exons	613..948, 792..947		

Seq. No.	7298	Seq. ID	OJ990421_06.9923.C12
Gene No.	15357	Strand	+
Start	406	End	680
Name	OJ990421_06.9923.C12.o1.gs	Method	GENSCAN
Start	406	End	680
GI	none	Score	.45
Exons	406..680		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	97	End	1471
GI	none	Score	72
Exons	97..285, 110..298, 111..290, 119..301, 120..302, 400..549, 414..644, 429..644, 1191..1346, 1193..1471, 1410..1448		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o1.gp	Method	AAT/GAP
Start	119	End	477
GI	uC-osf1M202062f04b1	Score	454
Exons	119..300, 422..477		
GI Descrip.	'4262224/gb AAD14517 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o1.np	Method	AAT/NAP
Start	119	End	1454
GI	2444271	Score	711
Exons	119..300, 422..641, 1069..1087, 1194..1454		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471

Name	OJ990421_06.9923.C13.o1.gs	Method	GENSCAN
Start	119	End	1454
GI	none	Score	.89
Exons	119..216, 422..641, 1069..1087, 1194..1454		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	400	End	644
GI	none	Score	227
Exons	400..642, 420..644, 426..644		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	523	End	1313
GI	none	Score	87
Exons	523..645, 525..644, 1191..1313, 1193..1312		

Seq. No.	7299	Seq. ID	OJ990421_06.9923.C13
Gene No.	15358	Strand	-
Start	119	End	1471
Name	OJ990421_06.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	1193	End	1456
GI	none	Score	115
Exons	1193..1342, 1193..1456		

Seq. No.	7300	Seq. ID	OJ990421_06.9923.C16
Gene No.	15359	Strand	-
Start	282	End	326
Name	OJ990421_06.9923.C16.o1.gs	Method	GENSCAN
Start	282	End	326
GI	none	Score	.91
Exons	282..326		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15360	Strand	+
Start	10718	End	10853
Name	OJ990421_06.9923.C17.o3.gp	Method	AAT/GAP
Start	10718	End	10853
GI	4715818	Score	243
Exons	10718..10853		
GI Descrip.	4521194/dbj AB013613.1 AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15361	Strand	+
Start	11678	End	11928
Name	OJ990421_06.9923.C17.o4.gp	Method	AAT/GAP
Start	11678	End	11928
GI	3760084	Score	456
Exons	11678..11928		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15362	Strand	-

Start	272	End	1068
Name	OJ990421_06.9923.C17.o1.gp	Method	AAT/GAP
Start	272	End	1068
GI	uC-osflcyp091g05a1	Score	804
Exons	272..540, 924..1068		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15363	Strand	-
Start	1644	End	1770
Name	OJ990421_06.9923.C17.o2.gp	Method	AAT/GAP
Start	1644	End	1770
GI	uC-osflcyp091g05b1	Score	222
Exons	1644..1770		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15364	Strand	-
Start	7322	End	11918
Name	OJ990421_06.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	71	End	983
GI	none	Score	73
Exons	71..175, 256..279, 260..280, 353..475, 356..400, 400..474, 531..629, 532..630, 573..647, 580..630, 707..799, 744..800, 846..983, 856..981		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15364	Strand	-
Start	7322	End	11918
Name	OJ990421_06.9923.C17.o1.np	Method	AAT/NAP
Start	7322	End	9860
GI	82640	Score	644
Exons	7322..7873, 8041..8122, 9832..9860		
GI Descrip.	maturase-related protein (nad1 intron) - wheat mitochondrion gi 1334611 emb CAA41033 (X57965) initiation unknown [Triticum aestivum]		

Seq. No.	7301	Seq. ID	OJ990421_06.9923.C17
Gene No.	15364	Strand	-
Start	7322	End	11918
Name	OJ990421_06.9923.C17.o3.gs	Method	GENSCAN
Start	8895	End	11918
GI	none	Score	.65
Exons	8895..9079, 9147..9219, 9912..9996, 11821..11918		

Seq. No.	7302	Seq. ID	OJ990421_06.9923.C18
Gene No.	15365	Strand	-
Start	1654	End	1934
Name	OJ990421_06.9923.C18.o1.gs	Method	GENSCAN
Start	1654	End	1934
GI	none	Score	.51
Exons	1654..1727, 1850..1934		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15366	Strand	+

Start	27	End	2465
Name	OJ990421_06.9923.C19.o1.gs	Method	GENSCAN
Start	27	End	2465
GI	none	Score	.52
Exons	27..78, 262..485, 730..900, 2358..2465		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15366	Strand	+
Start	27	End	2465
Name	OJ990421_06.9923.C19.o1.gp	Method	AAT/GAP
Start	215	End	581
GI	3760085	Score	672
Exons	215..581		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15367	Strand	+
Start	6789	End	16289
Name	OJ990421_06.9923.C19.o1.np	Method	AAT/NAP
Start	5458	End	5550
GI	5852084	Score	84
Exons	5458..5550		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15367	Strand	+
Start	6789	End	16289
Name	OJ990421_06.9923.C19.o2.gs	Method	GENSCAN
Start	6789	End	9961
GI	none	Score	.42
Exons	6789..6953, 7240..7416, 8080..8107, 8807..9021, 9758..9961		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15367	Strand	+
Start	6789	End	16289
Name	OJ990421_06.9923.C19.o2.gp	Method	AAT/GAP
Start	7157	End	14199
GI	30241_1.R1084	Score	1328
Exons	7157..7384, 8040..8107, 9758..9946, 13959..14199		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15367	Strand	+
Start	6789	End	16289
Name	OJ990421_06.9923.C19.o4.gs	Method	GENSCAN
Start	13121	End	16130
GI	none	Score	.99
Exons	13121..13211, 13959..14918, 15657..16130		

Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15367	Strand	+
Start	6789	End	16289
Name	OJ990421_06.9923.C19.o3.gp	Method	AAT/GAP
Start	14361	End	16289
GI	20435_1.R1084	Score	2110
Exons	14361..14918, 15657..16130, 16217..16289		
GI Descrip.	'4512237/dbj BAA75235.1 2.0e-89 (AB014746) polyprotein [Hordeum		

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Seq. No.	7303	Seq. ID	OJ990421_06.9923.C19
Gene No.	15368	Strand	-
Start	11023	End	12255
Name	OJ990421_06.9923.C19.o3.gs	Method	GENSCAN
Start	11023	End	12255
GI	none	Score	.68
Exons	11023..11148, 11176..11580, 11600..11680, 12059..12151, 12235..12255		

Seq. No.	7304	Seq. ID	OJ990421_06.9923.C20
Gene No.	15369	Strand	+
Start	1583	End	1740
Name	OJ990421_06.9923.C20.o1.gs	Method	GENSCAN
Start	1583	End	1740
GI	none	Score	.96
Exons	1583..1740		

Seq. No.	7304	Seq. ID	OJ990421_06.9923.C20
Gene No.	15370	Strand	+
Start	4314	End	4474
Name	OJ990421_06.9923.C20.o2.gs	Method	GENSCAN
Start	4314	End	4474
GI	none	Score	.96
Exons	4314..4474		

Seq. No.	7305	Seq. ID	OJ990421_06.9923.C21
Gene No.	15371	Strand	+
Start	1	End	1304
Name	OJ990421_06.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	1301
GI	4097940	Score	901
Exons	1..822, 1207..1301		
GI Descrip.	(U72251) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	7305	Seq. ID	OJ990421_06.9923.C21
Gene No.	15371	Strand	+
Start	1	End	1304
Name	OJ990421_06.9923.C21.o1.gs	Method	GENSCAN
Start	144	End	836
GI	none	Score	1
Exons	144..836		

Seq. No.	7305	Seq. ID	OJ990421_06.9923.C21
Gene No.	15371	Strand	+
Start	1	End	1304
Name	OJ990421_06.9923.C21.o2.gs	Method	GENSCAN
Start	1149	End	1304
GI	none	Score	.99
Exons	1149..1304		

Seq. No.	7305	Seq. ID	OJ990421_06.9923.C21
Gene No.	15372	Strand	-
Start	1	End	5807
Name	OJ990421_06.9923.C21.o3.np	Method	AAT/NAP
Start	1	End	4090

GI 5803259 Score 277
 Exons 1..105, 3359..4090
 GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o1.tc Method TBLASTX:Cress
 Start 117 End 1301
 GI none Score 70
 Exons 117..230, 230..271, 234..344, 351..524, 398..520, 546..803, 551..799, 1224..1301

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o1.ts Method TBLASTX:Soybean
 Start 117 End 800
 GI none Score 74
 Exons 117..230, 237..275, 273..392, 399..524, 546..800, 551..799

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o1.tw Method TBLASTX:Wheat
 Start 117 End 374
 GI none Score 147
 Exons 117..272, 119..271, 273..374, 273..371, 278..373

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o1.gp Method AAT/GAP
 Start 122 End 1191
 GI 124_1.R1084 Score 1009
 Exons 122..822, 1147..1191
 GI Descrip. '4884526/dbj|BAA77783.1| 1.0e-169 (AB027428) beta 1,3-glucanase [Oryza sativa]'

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o1.tm Method TBLASTX:Maize
 Start 542 End 821
 GI none Score 217
 Exons 542..820, 543..821

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21
 Gene No. 15372 Strand -
 Start 1 End 5807
 Name OJ990421_06.9923.C21.o3.gs Method GENSCAN
 Start 1692 End 5807
 GI none Score .67
 Exons 1692..1810, 1915..2209, 2336..2613, 2884..3097, 3138..3262, 3346..3809, 4534..4614, 5240..5469, 5694..5807

Seq. No. 7305 Seq. ID OJ990421_06.9923.C21

Gene No.	15372	Strand	-
Start	1	End	5807
Name	OJ990421_06.9923.C21.o2.np	Method	AAT/NAP
Start	1913	End	3636
GI	6721561	Score	985
Exons	1913..2675, 2757..2815, 2884..3066, 3570..3636		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7305	Seq. ID	OJ990421_06.9923.C21
Gene No.	15372	Strand	-
Start	1	End	5807
Name	OJ990421_06.9923.C21.o4.np	Method	AAT/NAP
Start	3301	End	5024
GI	6721512	Score	107
Exons	3301..3320, 4710..4889, 4917..5024		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15373	Strand	-
Start	1274	End	2460
Name	OJ990421_06.9923.C22.o1.gp	Method	AAT/GAP
Start	1274	End	2384
GI	807_1.R1084	Score	1883
Exons	1274..2384		
GI Descrip.	'2623783 0.0e+00 (AF030166) glucanase [Oryza sativa]'		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15373	Strand	-
Start	1274	End	2460
Name	OJ990421_06.9923.C22.o2.gs	Method	GENSCAN
Start	1456	End	2384
GI	none	Score	.99
Exons	1456..2384		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15373	Strand	-
Start	1274	End	2460
Name	OJ990421_06.9923.C22.o1.np	Method	AAT/NAP
Start	1459	End	2460
GI	4097938	Score	1465
Exons	1459..2460		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15373	Strand	-
Start	1274	End	2460
Name	OJ990421_06.9923.C22.o2.gp	Method	AAT/GAP
Start	1764	End	2186
GI	LIB3433-014-Q6-K1-G9	Score	603
Exons	1764..2087, 2143..2186		
GI Descrip.	'4097938 2.0e-49 (U72250) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	1449	End	1740
GI	none	Score	193
Exons	1449..1595, 1450..1644, 1450..1740, 1478..1735		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	1456	End	1851
GI	none	Score	179
Exons	1456..1650, 1459..1851, 1460..1849, 1804..1851		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	1459	End	2373
GI	none	Score	50
Exons	1459..1794, 1531..1569, 1577..1765, 1798..1938, 1933..2013, 2020..2163, 2212..2373		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	2391
GI	none	Score	91
Exons	1459..1578, 1472..1579, 1579..1788, 1646..1765, 1816..1938, 1859..1912, 1943..2020, 1945..2019, 2081..2116, 2083..2391, 2318..2380		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o2.tm	Method	TBLASTX:Maize
Start	1960	End	2390
GI	none	Score	113
Exons	1960..2163, 1970..2116, 2206..2388, 2206..2382, 2319..2390		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o2.tw	Method	TBLASTX:Wheat
Start	1993	End	2346
GI	none	Score	79
Exons	1993..2088, 1993..2091, 2092..2136, 2093..2116, 2203..2346, 2203..2346		

Seq. No.	7306	Seq. ID	OJ990421_06.9923.C22
Gene No.	15374	Strand	-
Start	2385	End	2592
Name	OJ990421_06.9923.C22.o3.gp	Method	AAT/GAP
Start	2385	End	2592

GI 2796754 Score 408
 Exons 2385, 2592
 GI Descrip: 4097937/gb|U72250|OSU72250 4.0e-95 Oryza sativa
 beta-1,3-glucanase precursor (Gns4) gene, complete cds

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.ts	Method	TBLASTX:Soybean
Start	892	End	1247
GI	none	Score	83
Exons	892..1011, 900..1037, 901..1038, 1038..1247, 1039..1155		

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	906	End	1304
GI	none	Score	95
Exons	906..1304, 915..1016, 925..1056, 1093..1302		

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.tc	Method	TBLASTX:Cress
Start	909	End	1253
GI	none	Score	99
Exons	909..1001, 990..1031, 1035..1253, 1036..1155		

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.gs	Method	GENSCAN
Start	912	End	1211
GI	none	Score	1
Exons	912..1211		

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.np	Method	AAT/NAP
Start	915	End	1307
GI	4097936	Score	647
Exons	915..1307		
GI Descrip.	(U72249) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	7307	Seq. ID	OJ990421_06.9923.C23
Gene No.	15375	Strand	-
Start	912	End	1307
Name	OJ990421_06.9923.C23.o1.tw	Method	TBLASTX:Wheat
Start	918	End	1199
GI	none	Score	165
Exons	918..1199, 919..1155		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15376	Strand	+
Start	7872	End	8378

Name	OJ990421_06.9923.C24.o4.gs	Method	GENSCAN
Start	7872	End	8378
GI	none	Score	.96
Exons	7872..8378		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15377	Strand	-
Start	1	End	659
Name	OJ990421_06.9923.C24.o1.np	Method	AAT/NAP
Start	1	End	659
GI	4097936	Score	494
Exons	1..250, 581..659		
GI Descrip.	(U72249) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15377	Strand	-
Start	1	End	659
Name	OJ990421_06.9923.C24.o1.gs	Method	GENSCAN
Start	12	End	659
GI	none	Score	.86
Exons	12..250, 581..659		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15378	Strand	-
Start	2200	End	3838
Name	OJ990421_06.9923.C24.o2.gs	Method	GENSCAN
Start	2200	End	3231
GI	none	Score	.97
Exons	2200..3231		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15378	Strand	-
Start	2200	End	3838
Name	OJ990421_06.9923.C24.o2.np	Method	AAT/NAP
Start	2289	End	3838
GI	4097934	Score	1632
Exons	2289..3232, 3738..3838		
GI Descrip.	(U72248) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15378	Strand	-
Start	2200	End	3838
Name	OJ990421_06.9923.C24.o1.gp	Method	AAT/GAP
Start	2825	End	3263
GI	LIB3432-005-P1-K1-D1	Score	823
Exons	2825..3263		
GI Descrip.	'4097934 3.0e-61 (U72248) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15379	Strand	-
Start	4267	End	7831
Name	OJ990421_06.9923.C24.o3.gs	Method	GENSCAN
Start	4267	End	6171
GI	none	Score	.8
Exons	4267..4403, 4842..5019, 5164..5298, 5803..5990, 6090..6171		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15379	Strand	-
Start	4267	End	7831
Name	OJ990421_06.9923.C24.o3.np	Method	AAT/NAP
Start	4738	End	7831
GI	6143863	Score	723
Exons	4738..5014, 5159..5298, 5407..5553, 5821..5990, 6090..6177, 6979..7180, 7682..7831		
GI Descrip.	(AC010927) putative RecA protein [Arabidopsis thaliana]		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15380	Strand	-
Start	11455	End	13688
Name	OJ990421_06.9923.C24.o5.gs	Method	GENSCAN
Start	11455	End	13688
GI	none	Score	.88
Exons	11455..11811, 11902..12031, 12124..12413, 12506..12687, 12768..12987, 13097..13115, 13202..13462, 13582..13688		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15380	Strand	-
Start	11455	End	13688
Name	OJ990421_06.9923.C24.o4.np	Method	AAT/NAP
Start	11464	End	13677
GI	2444271	Score	1503
Exons	11464..11811, 11902..12031, 12124..12413, 12506..12687, 12768..13002, 13198..13462, 13582..13677		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o2.tm	Method	TBLASTX:Maize
Start	3	End	3237
GI	none	Score	69
Exons	3..239, 126..239, 2320..2406, 2321..2404, 2404..2427, 2408..2428, 2434..2487, 2435..2488, 2569..2619, 2578..2622, 2623..2712, 2689..2775, 2785..2928, 2786..2914, 2941..3039, 3061..3237		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o2.tc	Method	TBLASTX:Cress
Start	6	End	3222
GI	none	Score	70
Exons	6..239, 10..237, 2320..2508, 2632..2697, 2701..2781, 2791..2883, 2944..3024, 3061..3222		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o2.tw	Method	TBLASTX:Wheat
Start	6	End	3196
GI	none	Score	126
Exons	6..206, 10..207, 105..212, 131..211, 2849..2935, 2869..2934,		

2932..2979, 3049..3195, 3149..3196

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o1.ts	Method	TBLASTX:Soybean
Start	9	End	3222
GI	none	Score	87
Exons	9..239, 10..237, 2290..2508, 2318..2353, 2411..2509, 2569..2625, 2701..2781, 2708..2782, 2791..2928, 2798..2917, 2917..3015, 3061..3222		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o1.tw	Method	TBLASTX:Wheat
Start	2295	End	2509
GI	none	Score	203
Exons	2295..2447, 2320..2508, 2321..2509		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o6.tm	Method	TBLASTX:Maize
Start	4864	End	5223
GI	none	Score	76
Exons	4864..4959, 4864..4959, 4865..4960, 4889..4975, 4954..5022, 4958..5020, 5168..5221, 5170..5223		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o5.tm	Method	TBLASTX:Maize
Start	5224	End	6007
GI	none	Score	175
Exons	5224..5280, 5404..5553, 5404..5553, 5819..6007, 5849..5935, 5857..6006		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o3.ts	Method	TBLASTX:Soybean
Start	5857	End	6166
GI	none	Score	52
Exons	5857..5991, 5858..5992, 6073..6165, 6089..6166		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	11467	End	15157
GI	none	Score	80
Exons	11467..11580, 11468..11584, 11582..11839, 11587..11811, 11893..12033, 11905..12033, 12123..12212, 12124..12213, 14397..14504, 14397..14504, 14398..14508, 14502..14735, 14511..14735, 14599..14736, 14834..14965, 14837..14965, 14841..14969, 15064..15153, 15065..15157		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o1.tc	Method	TBLASTX:Cress
Start	11470	End	16816
GI	none	Score	68
Exons	11470..11577, 11480..11578, 11587..11811, 11591..11812, 11902..12033, 11903..12034, 12123..12410, 12124..12411, 12506..12688, 12507..12689, 12766..13020, 12775..13020, 13196..13324, 13198..13455, 13202..13456, 13373..13462, 13581..13646, 13582..13617, 14395..14502, 14397..14501, 14511..14537, 14515..14736, 14589..14735, 14834..14965, 14835..14969, 15064..15372, 15065..15352, 15450..15650, 15453..15590, 15454..15645, 15762..15980, 15771..16001, 16101..16130, 16369..16479, 16370..16627, 16374..16631, 16742..16816, 16755..16790		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o3.tm	Method	TBLASTX:Maize
Start	12659	End	15986
GI	none	Score	192
Exons	12659..12688, 12766..12990, 12767..12991, 15615..15644, 15756..15980, 15771..15986		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o4.tm	Method	TBLASTX:Maize
Start	13190	End	16640
GI	none	Score	126
Exons	13190..13453, 13201..13446, 16372..16503, 16373..16618, 16386..16640		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o2.ts	Method	TBLASTX:Soybean
Start	13223	End	16798
GI	none	Score	60
Exons	13223..13285, 13228..13284, 13288..13407, 13292..13450, 16395..16457, 16400..16456, 16460..16639, 16464..16622, 16754..16798		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-
Start	14376	End	16855
Name	OJ990421_06.9923.C24.o6.gs	Method	GENSCAN
Start	14376	End	16843
GI	none	Score	.87
Exons	14376..14735, 14765..14942, 15065..15354, 15462..15643, 15764..15983, 16101..16119, 16374..16634, 16755..16843		

Seq. No.	7308	Seq. ID	OJ990421_06.9923.C24
Gene No.	15381	Strand	-

Start 14376 End 16855
 Name OJ990421_06.9923.C24.o5.np Method AAT/NAP
 Start 14388 End 16855
 GI 2444271 Score 1510
 Exons 14388..14735, 14834..14963, 15065..15354, 15462..15643,
 15764..15998, 16370..16634, 16755..16855
 GI Descrip. (AF019637) putative amino acid or GABA permease [Arabidopsis
 thaliana]

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25
 Gene No. 15382 Strand +
 Start 1 End 334
 Name OJ990421_06.9923.C25.o1.gp Method AAT/GAP
 Start 1 End 334
 GI none Score 656
 Exons 1..334

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25
 Gene No. 15383 Strand +
 Start 2100 End 2510
 Name OJ990421_06.9923.C25.o2.gp Method AAT/GAP
 Start 2100 End 2510
 GI LIB3431-022-P1-N1-F9 Score 810
 Exons 2100..2510
 GI Descrip. '5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic
 DNA, chromosome 6, clone:P0681F10, complete sequence'

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25
 Gene No. 15384 Strand -
 Start 236 End 5551
 Name OJ990421_06.9923.C25.o1.gs Method GENSCAN
 Start 236 End 5551
 GI none Score .66
 Exons 236..592, 680..788, 911..1200, 1292..1473, 1569..1788,
 2247..2436, 3391..3555, 3835..4095, 4197..4402, 4802..4861,
 5109..5283, 5463..5551

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25
 Gene No. 15384 Strand -
 Start 236 End 5551
 Name OJ990421_06.9923.C25.o1.np Method AAT/NAP
 Start 248 End 5098
 GI 4262224 Score 1583
 Exons 248..592, 680..809, 911..1200, 1292..1473, 1569..1788,
 3813..4095, 4197..4255, 5056..5098
 GI Descrip. (AC006200) putative amino acid permease [Arabidopsis thaliana]

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25
 Gene No. 15384 Strand -
 Start 236 End 5551
 Name OJ990421_06.9923.C25.o1.tm Method TBLASTX:Maize
 Start 251 End 1000
 GI none Score 62
 Exons 251..337, 257..592, 258..593, 553..594, 683..823, 683..811,
 687..827, 715..822, 911..1000, 922..999

Seq. No. 7309 Seq. ID OJ990421_06.9923.C25

Gene No.	15384	Strand	-
Start	236	End	5551
Name	OJ990421_06.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	255	End	4258
GI	none	Score	234
Exons	255..593, 257..592, 680..811, 681..812, 683..823, 736..822, 911..1006, 922..1212, 1067..1201, 1292..1480, 1299..1481, 1567..1788, 1576..1653, 1705..1791, 3783..3983, 3823..4095, 3832..3891, 3834..4097, 4196..4258, 4197..4244		

Seq. No.	7309	Seq. ID	OJ990421_06.9923.C25
Gene No.	15384	Strand	-
Start	236	End	5551
Name	OJ990421_06.9923.C25.o2.tm	Method	TBLASTX:Maize
Start	1445	End	1791
GI	none	Score	202
Exons	1445..1474, 1567..1788, 1568..1789, 1576..1791, 1697..1789		

Seq. No.	7309	Seq. ID	OJ990421_06.9923.C25
Gene No.	15384	Strand	-
Start	236	End	5551
Name	OJ990421_06.9923.C25.o3.gp	Method	AAT/GAP
Start	2536	End	3087
GI	9531_1.R1084	Score	1056
Exons	2536..3087		
GI Descrip.	'5295954/dbj BAA81855.1 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	7309	Seq. ID	OJ990421_06.9923.C25
Gene No.	15384	Strand	-
Start	236	End	5551
Name	OJ990421_06.9923.C25.o3.tm	Method	TBLASTX:Maize
Start	3834	End	4097
GI	none	Score	109
Exons	3834..3983, 3834..4097, 3847..4086		

Seq. No.	7309	Seq. ID	OJ990421_06.9923.C25
Gene No.	15384	Strand	-
Start	236	End	5551
Name	OJ990421_06.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	3855	End	4243
GI	none	Score	70
Exons	3855..3917, 3856..3918, 3921..4040, 3925..4083, 4032..4082, 4175..4243		

Seq. No.	7310	Seq. ID	OJ990421_06.9923.C26
Gene No.	15385	Strand	+
Start	1	End	1120
Name	OJ990421_06.9923.C26.o1.np	Method	AAT/NAP
Start	1	End	1107
GI	6714289	Score	107
Exons	1..26, 523..630, 730..801, 1045..1107		
GI Descrip.	(AC013354) F15H18.13 [Arabidopsis thaliana]		

Seq. No.	7310	Seq. ID	OJ990421_06.9923.C26
Gene No.	15385	Strand	+
Start	1	End	1120

Name	OJ990421_06.9923.C26.ol.gp	Method	AAT/GAP
Start	705	End	1120
GI	2428226	Score	260
Exons	705..801, 1045..1120		
GI Descrip.	2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	7310	Seq. ID	OJ990421_06.9923.C26
Gene No.	15386	Strand	-
Start	41	End	1212
Name	OJ990421_06.9923.C26.ol.gs	Method	GENSCAN
Start	41	End	1212
GI	none	Score	.89
Exons	41..293, 1119..1212		

Seq. No.	7311	Seq. ID	OJ990421_06.9923.C28
Gene No.	15387	Strand	-
Start	1	End	208
Name	OJ990421_06.9923.C28.ol.gp	Method	AAT/GAP
Start	1	End	135
GI	uC-osflm202113d05b1	Score	250
Exons	1..135		
GI Descrip.	'5922636/dbj BAA84637.1 1.0e-14 (AP000492) ESTs C99517(E20319), AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016869_dbj_BAA85212.1_ (AP000570) ESTs C99517(E20319), AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	7311	Seq. ID	OJ990421_06.9923.C28
Gene No.	15387	Strand	-
Start	1	End	208
Name	OJ990421_06.9923.C28.ol.gs	Method	GENSCAN
Start	11	End	208
GI	none	Score	.59
Exons	11..208		

Seq. No.	7312	Seq. ID	OJ990421_06.9923.C30
Gene No.	15388	Strand	+
Start	204	End	652
Name	OJ990421_06.9923.C30.ol.tm	Method	TBLASTX:Maize
Start	5	End	652
GI	none	Score	38
Exons	5..88, 12..101, 47..88, 100..180, 100..153, 100..246, 100..183, 108..155, 118..171, 171..227, 173..277, 188..280, 189..281, 189..284, 216..368, 230..370, 239..364, 240..371, 254..367, 255..374, 261..362, 262..378, 266..346, 390..503, 393..500, 394..501, 400..549, 400..519, 401..502, 409..498, 416..496, 417..515, 418..501, 419..550, 434..502, 529..651, 541..639, 544..615, 551..652, 575..652		

Seq. No.	7312	Seq. ID	OJ990421_06.9923.C30
Gene No.	15388	Strand	+
Start	204	End	652
Name	OJ990421_06.9923.C30.ol.gs	Method	GENSCAN
Start	204	End	341
GI	none	Score	.55

Exons 204..341

Seq. No. 7313
Gene No. 15389
Start 366
Name OJ990421_06.9923.C31.o1.gs
Start 366
GI none
Exons 366..563

Seq. ID OJ990421_06.9923.C31
Strand +
End 563
Method GENSCAN
End 563
Score .81

Seq. No. 7313
Gene No. 15390
Start 978
Name OJ990421_06.9923.C31.o1.gp
Start 978
GI 69953_1.R1084
Exons 978..1081

Seq. ID OJ990421_06.9923.C31
Strand -
End 1081
Method AAT/GAP
End 1081
Score 130

GI Descrip. '5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'

Seq. No. 7314
Gene No. 15391
Start 496
Name OJ990421_06.9923.C34.o1.gs
Start 496
GI none
Exons 496..632

Seq. ID OJ990421_06.9923.C34
Strand -
End 632
Method GENSCAN
End 632
Score .69

Seq. No. 7315
Gene No. 15392
Start 983
Name OJ990421_06.9923.C35.o1.np
Start 983
GI 4097938
Exons 983..1080, 1252..1293

Seq. ID OJ990421_06.9923.C35
Strand +
End 1293
Method AAT/NAP
End 1293
Score 90

GI Descrip. (U72250) beta-1,3-glucanase precursor [Oryza sativa]

Seq. No. 7315
Gene No. 15393
Start 619
Name OJ990421_06.9923.C35.o1.gs
Start 619
GI none
Exons 619..768

Seq. ID OJ990421_06.9923.C35
Strand -
End 768
Method GENSCAN
End 768
Score .98

Seq. No. 7316
Gene No. 15394
Start 24
Name OJ990421_06.9923.C39.o1.gs
Start 24
GI none
Exons 24..78

Seq. ID OJ990421_06.9923.C39
Strand -
End 78
Method GENSCAN
End 78
Score .91

Seq. No. 7317
Gene No. 15395
Start 302
Name OJ990421_06.9923.C41.o1.gs

Seq. ID OJ990421_06.9923.C41
Strand -
End 409
Method GENSCAN

Start	302	End	409
GI	none	Score	.83
Exons	302..409		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o1.gs	Method	GENSCAN
Start	3020	End	13500
GI	none	Score	.47
Exons	3020..3684, 3760..4259, 4850..4909, 5465..5641, 5970..6221, 8934..9067, 11271..11417, 13405..13500		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	3581	End	3889
GI	none	Score	61
Exons	3581..3619, 3646..3831, 3689..3889, 3701..3889		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o5.tw	Method	TBLASTX:Wheat
Start	5055	End	5414
GI	none	Score	99
Exons	5055..5186, 5059..5184, 5185..5409, 5229..5276, 5328..5414		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	5467	End	6181
GI	none	Score	122
Exons	5467..5643, 5475..5660, 5651..5962, 5773..5895, 5936..6064, 5947..6093, 6119..6181, 6121..6180		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	5651	End	6043
GI	none	Score	340
Exons	5651..6043, 5701..6033		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	6320	End	7291
GI	none	Score	92
Exons	6320..6424, 6343..6420, 6397..6969, 6427..6717, 6684..6941, 6929..7291		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+

Start	3020	End	13500
Name	OJ990421_01.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	6394	End	6681
GI	none	Score	265
Exons	6394..6681, 6423..6644, 6424..6645		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o6.tw	Method	TBLASTX:Wheat
Start	6682	End	6957
GI	none	Score	100
Exons	6682..6795, 6684..6764, 6805..6957		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	6886	End	7411
GI	none	Score	57
Exons	6886..6942, 7003..7044, 7013..7240, 7123..7212, 7307..7411		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	7037	End	7585
GI	none	Score	168
Exons	7037..7282, 7277..7408, 7487..7585		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	7448	End	7955
GI	none	Score	332
Exons	7448..7702, 7483..7713, 7484..7855, 7887..7955, 7889..7951		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	7679	End	8048
GI	none	Score	147
Exons	7679..7882, 7866..8048, 7889..8047		

Seq. No.	7318	Seq. ID	OJ990421_01.9922.C1
Gene No.	15396	Strand	+
Start	3020	End	13500
Name	OJ990421_01.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	8127	End	8417
GI	none	Score	172
Exons	8127..8324, 8162..8239, 8181..8312, 8319..8417		

Seq. No.	7319	Seq. ID	OJ990421_01.9922.C2
Gene No.	15397	Strand	+
Start	1001	End	3387

Name	OJ990421_01.9922.C2.o1.np	Method	AAT/NAP
Start	1001	End	3387
GI	5852180	Score	574
Exons	1001..1048, 2037..2153, 2205..2616, 3317..3387		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7319	Seq. ID	OJ990421_01.9922.C2
Gene No.	15398	Strand	-
Start	1716	End	4416
Name	OJ990421_01.9922.C2.o1.gp	Method	AAT/GAP
Start	897	End	1281
GI	uC-osflcyp033a04b1	Score	620
Exons	897..1281		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7319	Seq. ID	OJ990421_01.9922.C2
Gene No.	15398	Strand	-
Start	1716	End	4416
Name	OJ990421_01.9922.C2.o1.gs	Method	GENSCAN
Start	1716	End	4416
GI	none	Score	.71
Exons	1716..1801, 2096..2653, 4191..4416		

Seq. No.	7319	Seq. ID	OJ990421_01.9922.C2
Gene No.	15399	Strand	-
Start	5382	End	7019
Name	OJ990421_01.9922.C2.o2.gs	Method	GENSCAN
Start	5382	End	7019
GI	none	Score	.62
Exons	5382..5537, 5646..7019		

Seq. No.	7319	Seq. ID	OJ990421_01.9922.C2
Gene No.	15399	Strand	-
Start	5382	End	7019
Name	OJ990421_01.9922.C2.o2.np	Method	AAT/NAP
Start	5699	End	6730
GI	161752	Score	100
Exons	5699..5801, 6069..6147, 6293..6368, 6402..6535, 6653..6730		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi 737494 prf 1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	7320	Seq. ID	OJ990421_01.9922.C3
Gene No.	15400	Strand	+
Start	122	End	600
Name	OJ990421_01.9922.C3.o1.gs	Method	GENSCAN
Start	122	End	600
GI	none	Score	.67
Exons	122..203, 314..600		

Seq. No.	7321	Seq. ID	OJ990421_01.9922.C4
Gene No.	15401	Strand	-
Start	1	End	1975
Name	OJ990421_01.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	1559
GI	4680179	Score	587
Exons	1..27, 298..533, 702..1559		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	7321	Seq. ID	OJ990421_01.9922.C4
Gene No.	15401	Strand	-
Start	1	End	1975
Name	OJ990421_01.9922.C4.o1.gs	Method	GENSCAN
Start	189	End	1975
GI	none	Score	.57
Exons	189..1538, 1910..1975		

Seq. No.	7321	Seq. ID	OJ990421_01.9922.C4
Gene No.	15401	Strand	-
Start	1	End	1975
Name	OJ990421_01.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	777	End	1076
GI	none	Score	75
Exons	777..1076, 973..1062		

Seq. No.	7321	Seq. ID	OJ990421_01.9922.C4
Gene No.	15401	Strand	-
Start	1	End	1975
Name	OJ990421_01.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1316
GI	none	Score	54
Exons	957..1247, 957..1316, 961..1314		

Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440
Name	OJ990421_01.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	440
GI	729092	Score	575
Exons	1..440		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM AK1 (CDPK) gi 477484 pir A49082 calcium-dependent protein kinase isoform AK1 - Arabidopsis thaliana gi 304105 (L14771) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440
Name	OJ990421_01.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	200
GI	none	Score	119
Exons	1..183, 3..200		

Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440
Name	OJ990421_01.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	377
GI	none	Score	56
Exons	1..81, 3..377, 12..107, 130..300		

Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440

Name	OJ990421_01.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	333
GI	none	Score	240
Exons	1..297, 3..332, 286..333		
Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440
Name	OJ990421_01.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	428
GI	none	Score	146
Exons	1..297, 3..428, 349..420		
Seq. No.	7322	Seq. ID	OJ990421_01.9922.C5
Gene No.	15402	Strand	-
Start	1	End	440
Name	OJ990421_01.9922.C5.o1.gs	Method	GENSCAN
Start	9	End	374
GI	none	Score	.91
Exons	9..374		
Seq. No.	7323	Seq. ID	OJ990421_01.9922.C6
Gene No.	15403	Strand	+
Start	366	End	497
Name	OJ990421_01.9922.C6.o1.gs	Method	GENSCAN
Start	366	End	497
GI	none	Score	.91
Exons	366..497		
Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	6472
GI	4680207	Score	978
Exons	1..1134, 5770..6472		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o1.gs	Method	GENSCAN
Start	24	End	6428
GI	none	Score	.44
Exons	24..1078, 3565..3664, 3989..4544, 5770..6428		
Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	93	End	4504
GI	none	Score	74
Exons	93..218, 105..263, 360..416, 498..581, 600..674, 666..881, 690..788, 900..983, 901..960, 1009..1137, 1089..1178, 3974..4252, 4229..4303, 4415..4504		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.ol.tc	Method	TBLASTX:Cress
Start	150	End	6008
GI	none	Score	52
Exons	150..290, 504..578, 684..857, 685..810, 852..980, 853..960, 1164..1220, 4010..4183, 4011..4136, 4178..4270, 4179..4271, 4490..4546, 5946..6008, 5950..6006		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	165	End	590
GI	none	Score	175
Exons	165..278, 330..590		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.ol.tw	Method	TBLASTX:Wheat
Start	309	End	713
GI	none	Score	65
Exons	309..356, 369..473, 472..582, 480..584, 588..713, 592..702		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.ol.tm	Method	TBLASTX:Maize
Start	642	End	4213
GI	none	Score	133
Exons	642..887, 643..879, 4004..4213, 4008..4205		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	714	End	4297
GI	none	Score	94
Exons	714..884, 733..885, 903..974, 904..978, 4011..4289, 4013..4231, 4226..4297		

Seq. No.	7324	Seq. ID	OJ990421_01.9922.C7
Gene No.	15404	Strand	-
Start	1	End	6472
Name	OJ990421_01.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	892	End	4547
GI	none	Score	68
Exons	892..975, 903..974, 998..1075, 999..1076, 1098..1220, 1099..1221, 4218..4289, 4226..4297, 4324..4404, 4424..4546, 4464..4547		

Seq. No.	7325	Seq. ID	OJ990421_01.9922.C8
Gene No.	15405	Strand	+
Start	859	End	1024
Name	OJ990421_01.9922.C8.ol.gs	Method	GENSCAN

Start 859
GI none
Exons 859..1024

End 1024
Score .86

Seq. No. 7325
Gene No. 15406
Start 4578
Name OJ990421_01.9922.C8.o1.np
Start 4541
GI 6539588
Exons 4541..4858
GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. ID OJ990421_01.9922.C8
Strand +
End 5410
Method AAT/NAP
End 4858
Score 100

Seq. No. 7325
Gene No. 15406
Start 4578
Name OJ990421_01.9922.C8.o2.gs
Start 4578
GI none
Exons 4578..4802, 5285..5410

Seq. ID OJ990421_01.9922.C8
Strand +
End 5410
Method GENSCAN
End 5410
Score .78

Seq. No. 7325
Gene No. 15407
Start 6252
Name OJ990421_01.9922.C8.o3.gs
Start 6252
GI none
Exons 6252..6505, 7230..7269

Seq. ID OJ990421_01.9922.C8
Strand -
End 7269
Method GENSCAN
End 7269
Score .63

Seq. No. 7326
Gene No. 15408
Start 93
Name OJ990421_01.9922.C10.o1.gs
Start 93
GI none
Exons 93..169, 339..551

Seq. ID OJ990421_01.9922.C10
Strand +
End 551
Method GENSCAN
End 551
Score .54

Seq. No. 7326
Gene No. 15409
Start 478
Name OJ990421_01.9922.C10.o1.np
Start 478
GI 4680186
Exons 478..696
GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990421_01.9922.C10
Strand +
End 696
Method AAT/NAP
End 696
Score 289

Seq. No. 7326
Gene No. 15410
Start 359
Name OJ990421_01.9922.C10.o1.gp
Start 359
GI uC-osflcyp033a04b1
Exons 359..629
GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. ID OJ990421_01.9922.C10
Strand -
End 629
Method AAT/GAP
End 629
Score 451

Seq. No. 7327

Seq. ID OJ990421_01.9922.C11

Gene No.	15411	Strand	+
Start	2450	End	7506
Name	OJ990421_01.9922.C11.o3.np	Method	AAT/NAP
Start	2450	End	7506
GI	4680186	Score	346
Exons	2450..2490, 6410..6465, 7305..7506		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.gs	Method	GENSCAN
Start	619	End	7334
GI	none	Score	.57
Exons	619..2765, 2836..5107, 5334..5362, 5401..5569, 5628..6167, 7269..7334		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.np	Method	AAT/NAP
Start	622	End	5110
GI	4680179	Score	5298
Exons	622..3991, 4025..5110		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o5.tw	Method	TBLASTX:Wheat
Start	667	End	1000
GI	none	Score	121
Exons	667..999, 688..996, 767..1000		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	847	End	1446
GI	none	Score	241
Exons	847..1287, 863..1288, 1285..1446, 1292..1438		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	1000	End	1626
GI	none	Score	266
Exons	1000..1626, 1001..1570		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	1495	End	1787
GI	none	Score	212
Exons	1495..1785, 1499..1786, 1599..1787		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	1584	End	1845
GI	none	Score	155
Exons	1584..1766, 1585..1845, 1586..1840		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	1609	End	1926
GI	none	Score	85
Exons	1609..1752, 1610..1750, 1753..1926		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	1633	End	2200
GI	none	Score	334
Exons	1633..2169, 1634..2200		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	2191	End	2554
GI	none	Score	152
Exons	2191..2553, 2200..2553, 2204..2554		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	2203	End	2625
GI	none	Score	349
Exons	2203..2625, 2204..2593		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	2374	End	2619
GI	none	Score	66
Exons	2374..2619, 2474..2602		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	2560	End	2875
GI	none	Score	45
Exons	2560..2658, 2560..2667, 2652..2810, 2653..2808, 2828..2875		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o7.tw	Method	TBLASTX:Wheat
Start	2640	End	2896
GI	none	Score	109
Exons	2640..2804, 2641..2811, 2641..2772, 2643..2810, 2804..2896, 2808..2894, 2825..2896		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	2641	End	3004
GI	none	Score	136
Exons	2641..2811, 2643..2810, 2804..2968, 2823..2900, 2825..2968, 2972..3004, 2973..3002		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	2891	End	3322
GI	none	Score	76
Exons	2891..3322, 2898..3092		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o4.tw	Method	TBLASTX:Wheat
Start	2945	End	3427
GI	none	Score	217
Exons	2945..3322, 2988..3323, 3377..3427		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o8.tw	Method	TBLASTX:Wheat
Start	3527	End	3964
GI	none	Score	69
Exons	3527..3568, 3596..3709, 3597..3710, 3755..3964, 3756..3908		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o7.tm	Method	TBLASTX:Maize
Start	3647	End	4000
GI	none	Score	192
Exons	3647..4000		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o6.tw	Method	TBLASTX:Wheat
Start	4283	End	4634
GI	none	Score	112
Exons	4283..4633, 4440..4634		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	4328	End	4633
GI	none	Score	90
Exons	4328..4633, 4503..4619		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o2.np	Method	AAT/NAP
Start	4349	End	6166
GI	4512231	Score	144
Exons	4349..4382, 5596..6166		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o9.tw	Method	TBLASTX:Wheat
Start	4668	End	4867
GI	none	Score	115
Exons	4668..4865, 4670..4867		

Seq. No.	7327	Seq. ID	OJ990421_01.9922.C11
Gene No.	15412	Strand	-
Start	619	End	7439
Name	OJ990421_01.9922.C11.o1.gp	Method	AAT/GAP
Start	7056	End	7439
GI	uC-osflcyp033a04b1	Score	669
Exons	7056..7439		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15413	Strand	+
Start	199	End	3960
Name	OJ990421_01.9922.C12.o1.np	Method	AAT/NAP
Start	199	End	3960
GI	4680179	Score	5958
Exons	199..3960		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o7.tw	Method	TBLASTX:Wheat
Start	531	End	935
GI	none	Score	142
Exons	531..737, 581..679, 765..935, 791..934		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o3.tw	Method	TBLASTX:Wheat

Start 1110
 GI none
 Exons 1110..1592, 1214..1549

End 1592
 Score 538

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o5.tm
 Start 1120
 GI none
 Exons 1120..1395, 1121..1402, 1122..1409, 1220..1411

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Maize
 End 1411
 Score 93

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o3.ts
 Start 1146
 GI none
 Exons 1146..1460, 1262..1459

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Soybean
 End 1460
 Score 186

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o3.tm
 Start 1479
 GI none
 Exons 1479..1658, 1644..1979, 1730..1861, 1731..1940

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Maize
 End 1979
 Score 161

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o1.ts
 Start 1533
 GI none
 Exons 1533..1565, 1569..1928, 1569..1799, 1685..1927

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Soybean
 End 1928
 Score 57

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o5.tw
 Start 1641
 GI none
 Exons 1641..1943, 1642..1728, 1679..1942

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Wheat
 End 1943
 Score 375

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o2.tw
 Start 1944
 GI none
 Exons 1944..2453, 1976..2287, 2022..2354, 2330..2362

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Wheat
 End 2453
 Score 596

Seq. No. 7328
 Gene No. 15414
 Start 4228
 Name OJ990421_01.9922.C12.o4.ts
 Start 1950

Seq. ID OJ990421_01.9922.C12
 Strand -
 End 4684
 Method TBLASTX:Soybean
 End 2195

GI	none	Score	181
Exons	1950..2195, 1973..2194		
Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	2016	End	2374
GI	none	Score	455
Exons	2016..2369, 2018..2194, 2019..2354, 2036..2374		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o4.tw	Method	TBLASTX:Wheat
Start	2457	End	2937
GI	none	Score	416
Exons	2457..2852, 2490..2837, 2681..2851, 2701..2871, 2800..2937, 2838..2936		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	2643	End	2961
GI	none	Score	91
Exons	2643..2816, 2821..2961, 2835..2960		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	2724	End	2985
GI	none	Score	110
Exons	2724..2837, 2729..2833, 2797..2985, 2847..2984		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o4.tm	Method	TBLASTX:Maize
Start	2783	End	3075
GI	none	Score	69
Exons	2783..2836, 2784..2852, 2836..3069, 2842..3075, 2847..3071		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	2944	End	3583
GI	none	Score	432
Exons	2944..3333, 2946..3332, 3353..3583, 3454..3582		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3124	End	3735

GI	none	Score	208
Exons	3124..3285, 3126..3278, 3282..3332, 3283..3333, 3338..3649, 3416..3580, 3463..3597, 3645..3677, 3648..3722, 3649..3735		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o6.tw	Method	TBLASTX:Wheat
Start	3583	End	3950
GI	none	Score	84
Exons	3583..3648, 3584..3649, 3649..3915, 3675..3797, 3897..3950		

Seq. No.	7328	Seq. ID	OJ990421_01.9922.C12
Gene No.	15414	Strand	-
Start	4228	End	4684
Name	OJ990421_01.9922.C12.o2.np	Method	AAT/NAP
Start	4228	End	4684
GI	6721559	Score	380
Exons	4228..4363, 4394..4684		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7329	Seq. ID	OJ990421_01.9922.C13
Gene No.	15415	Strand	-
Start	829	End	6680
Name	OJ990421_01.9922.C13.o1.np	Method	AAT/NAP
Start	829	End	6680
GI	4680183	Score	174
Exons	829..918, 1528..1595, 6662..6680		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	7329	Seq. ID	OJ990421_01.9922.C13
Gene No.	15415	Strand	-
Start	829	End	6680
Name	OJ990421_01.9922.C13.o1.gs	Method	GENSCAN
Start	873	End	3167
GI	none	Score	.6
Exons	873..999, 3026..3167		

Seq. No.	7329	Seq. ID	OJ990421_01.9922.C13
Gene No.	15415	Strand	-
Start	829	End	6680
Name	OJ990421_01.9922.C13.o2.np	Method	AAT/NAP
Start	4703	End	5714
GI	3894163	Score	148
Exons	4703..4860, 4916..5132, 5597..5714		
GI Descrip.	(AC005312) putative phloem-specific lectin [Arabidopsis thaliana]		

Seq. No.	7329	Seq. ID	OJ990421_01.9922.C13
Gene No.	15415	Strand	-
Start	829	End	6680
Name	OJ990421_01.9922.C13.o2.gs	Method	GENSCAN
Start	4706	End	6057
GI	none	Score	.94
Exons	4706..5132, 5982..6057		

Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15416	Strand	+
Start	2593	End	6066
Name	OJ990421_01.9922.C14.o2.gs	Method	GENSCAN
Start	2593	End	6066
GI	none	Score	.51
Exons	2593..2796, 5167..5270, 5331..5496, 5896..6066		
Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15417	Strand	-
Start	596	End	4228
Name	OJ990421_01.9922.C14.o1.np	Method	AAT/NAP
Start	596	End	4228
GI	4773893	Score	292
Exons	596..886, 991..1127, 1825..2102, 2480..2634, 4141..4228		
GI Descrip.	(AF076243) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15418	Strand	-
Start	5222	End	5730
Name	OJ990421_01.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	845	End	2056
GI	none	Score	70
Exons	845..904, 998..1114, 1037..1099, 1105..1128, 1106..1135, 1824..2051, 1827..2051, 1853..2056, 1957..2055		
Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15418	Strand	-
Start	5222	End	5730
Name	OJ990421_01.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	1022	End	2659
GI	none	Score	107
Exons	1022..1123, 1032..1124, 1827..2033, 1836..2030, 2387..2659		
Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15418	Strand	-
Start	5222	End	5730
Name	OJ990421_01.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	2393	End	2697
GI	none	Score	69
Exons	2393..2467, 2400..2471, 2401..2514, 2417..2641, 2423..2641, 2448..2645, 2449..2646, 2452..2697		
Seq. No.	7330	Seq. ID	OJ990421_01.9922.C14
Gene No.	15418	Strand	-
Start	5222	End	5730
Name	OJ990421_01.9922.C14.o2.np	Method	AAT/NAP
Start	5222	End	5730
GI	5734709	Score	82
Exons	5222..5309, 5428..5730		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15419	Strand	-

Start	991	End	4796
Name	OJ990421_01.9922.C15.o1.gs	Method	GENSCAN
Start	991	End	4796
GI	none	Score	.42
Exons	991..1085, 2461..2725, 3218..3315, 3389..3503, 4476..4796		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-
Start	10654	End	12381
Name	OJ990421_01.9922.C15.o1.np	Method	AAT/NAP
Start	10113	End	12381
GI	3320104	Score	844
Exons	10113..10246, 10718..10773, 10897..11121, 11833..12000, 12084..12199, 12275..12381		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-
Start	10654	End	12381
Name	OJ990421_01.9922.C15.o2.gs	Method	GENSCAN
Start	10654	End	12366
GI	none	Score	.98
Exons	10654..10773, 10897..11121, 11833..12000, 12084..12199, 12324..12366		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-
Start	10654	End	12381
Name	OJ990421_01.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	10665	End	11932
GI	none	Score	85
Exons	10665..10733, 10683..10772, 10684..10776, 10732..10773, 10876..11118, 10896..11120, 10897..11121, 10964..11122, 11824..11922, 11825..11932, 11832..11879, 11833..11922		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-
Start	10654	End	12381
Name	OJ990421_01.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	10732	End	12381
GI	none	Score	65
Exons	10732..10776, 10733..10774, 10891..11121, 10900..11121, 11824..12003, 11834..12001, 12079..12195, 12081..12197, 12084..12197, 12270..12374, 12273..12380, 12274..12381		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-
Start	10654	End	12381
Name	OJ990421_01.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	10732	End	12380
GI	none	Score	120
Exons	10732..10773, 10897..11121, 10964..11122, 11824..12003, 11836..12000, 12079..12195, 12081..12197, 12270..12380, 12273..12377		

Seq. No.	7331	Seq. ID	OJ990421_01.9922.C15
Gene No.	15420	Strand	-

Start	10654	End	12381
Name	OJ990421_01.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	10735	End	12380
GI	none	Score	42
Exons	10735..10776, 10897..11118, 10897..11121, 10961..11122, 11824..12003, 11852..12001, 12079..12198, 12081..12197, 12276..12380		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15421	Strand	+
Start	1806	End	3682
Name	OJ990421_01.9922.C16.o1.gs	Method	GENSCAN
Start	1806	End	3682
GI	none	Score	.4
Exons	1806..1993, 3549..3682		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15422	Strand	-
Start	3170	End	5088
Name	OJ990421_01.9922.C16.o1.np	Method	AAT/NAP
Start	3170	End	4790
GI	6539588	Score	173
Exons	3170..3229, 4514..4790		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15422	Strand	-
Start	3170	End	5088
Name	OJ990421_01.9922.C16.o2.gs	Method	GENSCAN
Start	4494	End	5088
GI	none	Score	.6
Exons	4494..4731, 4877..5088		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	6668	End	7335
GI	none	Score	50
Exons	6668..6928, 6744..6914, 6947..7186, 6990..7148, 7204..7335		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o2.np	Method	AAT/NAP
Start	6677	End	7632
GI	4416302	Score	948
Exons	6677..7632		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o3.gs	Method	GENSCAN
Start	6677	End	8194
GI	none	Score	.58
Exons	6677..7046, 7211..7632, 8057..8194		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	6692	End	7353
GI	none	Score	287
Exons	6692..7189, 6708..7187, 7204..7353, 7271..7345		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	6698	End	7162
GI	none	Score	60
Exons	6698..6910, 6932..7063, 7067..7162		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	6743	End	7177
GI	none	Score	57
Exons	6743..6856, 6743..6919, 6938..7177		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	7189	End	7536
GI	none	Score	101
Exons	7189..7356, 7393..7536		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	7336	End	7569
GI	none	Score	185
Exons	7336..7569		

Seq. No.	7332	Seq. ID	OJ990421_01.9922.C16
Gene No.	15423	Strand	-
Start	6677	End	8194
Name	OJ990421_01.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	7354	End	7537
GI	none	Score	79
Exons	7354..7524, 7354..7536, 7400..7537		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15424	Strand	+
Start	11669	End	13516
Name	OJ990421_01.9922.C17.o2.gs	Method	GENSCAN
Start	11669	End	13516
GI	none	Score	.74
Exons	11669..11793, 13432..13516		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15425	Strand	+
Start	15369	End	20176
Name	OJ990421_01.9922.C17.o3.gs	Method	GENSCAN
Start	15369	End	20176
GI	none	Score	.42
Exons	15369..15486, 15903..15958, 16942..17049, 17309..17424, 19794..19899, 20057..20176		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15425	Strand	+
Start	15369	End	20176
Name	OJ990421_01.9922.C17.o1.np	Method	AAT/NAP
Start	16504	End	19442
GI	6815109	Score	175
Exons	16504..16671, 16861..17146, 19423..19442		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15426	Strand	+
Start	24656	End	25198
Name	OJ990421_01.9922.C17.o4.gs	Method	GENSCAN
Start	24656	End	25198
GI	none	Score	.93
Exons	24656..24706, 25133..25198		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15427	Strand	+
Start	27648	End	27915
Name	OJ990421_01.9922.C17.o1.gp	Method	AAT/GAP
Start	27648	End	27915
GI	LIB3434-035-P1-K1-A7	Score	465
Exons	27648..27915		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15428	Strand	-
Start	27416	End	31988
Name	OJ990421_01.9922.C17.o5.gs	Method	GENSCAN
Start	27416	End	31988
GI	none	Score	.79
Exons	27416..27525, 30877..30906, 31910..31988		

Seq. No.	7333	Seq. ID	OJ990421_01.9922.C17
Gene No.	15429	Strand	-
Start	33571	End	36455
Name	OJ990421_01.9922.C17.o6.gs	Method	GENSCAN
Start	33571	End	36455
GI	none	Score	.89
Exons	33571..33694, 36310..36455		

Seq. No.	7334	Seq. ID	OJ990421_01.9922.C18
Gene No.	15430	Strand	+
Start	293	End	543
Name	OJ990421_01.9922.C18.o1.gs	Method	GENSCAN
Start	293	End	543

GI	none	Score	.55
Exons	293..437, 515..543		
Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15431	Strand	+
Start	6974	End	14454
Name	OJ990701_05.9922.C2.o3.np	Method	AAT/NAP
Start	6974	End	13699
GI	4680203	Score	1264
Exons	6974..7036, 9364..9638, 9694..10541, 13048..13375, 13517..13699		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15431	Strand	+
Start	6974	End	14454
Name	OJ990701_05.9922.C2.o3.gs	Method	GENSCAN
Start	9390	End	14454
GI	none	Score	.41
Exons	9390..9512, 9518..9732, 10067..10221, 10593..10670, 12850..12951, 13425..13582, 14173..14454		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	905
GI	4680203	Score	498
Exons	1..905		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	7	End	10244
GI	none	Score	186
Exons	7..117, 9978..10244		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	7	End	10223
GI	none	Score	87
Exons	7..114, 8..97, 127..438, 128..319, 410..436, 9699..9917, 9903..9974, 9999..10106, 10116..10223		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o1.gs	Method	GENSCAN
Start	19	End	7182
GI	none	Score	.5
Exons	19..248, 433..525, 561..694, 737..911, 7077..7182		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-

Start	1	End	14480
Name	OJ990701_05.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	134	End	9971
GI	none	Score	151
Exons	134..418, 136..417, 261..422, 9719..9889, 9726..9899, 9738..9905, 9906..9971		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o2.np	Method	AAT/NAP
Start	4049	End	14480
GI	5852175	Score	110
Exons	4049..4075, 6399..6444, 7077..7187, 7753..7793, 8195..8264, 14421..14480		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o2.gs	Method	GENSCAN
Start	7636	End	9151
GI	none	Score	.74
Exons	7636..7767, 8206..8293, 8396..8466, 8557..8688, 9116..9151		

Seq. No.	7335	Seq. ID	OJ990701_05.9922.C2
Gene No.	15432	Strand	-
Start	1	End	14480
Name	OJ990701_05.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	13215	End	13642
GI	none	Score	70
Exons	13215..13277, 13217..13258, 13286..13330, 13287..13331, 13311..13508, 13325..13561, 13327..13467, 13331..13561, 13511..13642, 13517..13642		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o1.gs	Method	GENSCAN
Start	489	End	3566
GI	none	Score	.96
Exons	489..882, 1015..1204, 1995..2075, 3006..3132, 3304..3566		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o1.np	Method	AAT/NAP
Start	492	End	4707
GI	3135251	Score	545
Exons	492..882, 1015..1204, 1995..2053, 3002..3132, 3304..3477, 4688..4707		
GI Descrip.	(AC003058) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707

Name	OJ990701_05.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	585	End	3531
GI	none	Score	110
Exons	585..776, 792..881, 1011..1205, 1012..1206, 2980..3132, 2984..3124, 3010..3141, 3208..3366, 3334..3474, 3490..3531		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	594	End	1169
GI	none	Score	122
Exons	594..734, 801..896, 1011..1169		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	594	End	1230
GI	none	Score	72
Exons	594..773, 792..881, 1011..1040, 1084..1230, 1086..1205		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	792	End	1205
GI	none	Score	56
Exons	792..896, 1009..1185, 1011..1184, 1188..1205		

Seq. No.	7336	Seq. ID	OJ990701_05.9922.C3
Gene No.	15433	Strand	-
Start	489	End	4707
Name	OJ990701_05.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	3001	End	3835
GI	none	Score	149
Exons	3001..3132, 3002..3133, 3283..3570, 3301..3570, 3315..3572, 3656..3835, 3657..3758		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15434	Strand	+
Start	5812	End	6529
Name	OJ990701_05.9922.C4.o2.gs	Method	GENSCAN
Start	5812	End	6529
GI	none	Score	1
Exons	5812..5821, 6192..6529		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15435	Strand	+
Start	6604	End	6761
Name	OJ990701_05.9922.C4.o2.np	Method	AAT/NAP
Start	6604	End	6761
GI	6907084	Score	150
Exons	6604..6761		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
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Gene No.	15436	Strand	+
Start	7160	End	9340
Name	OJ990701_05.9922.C4.o3.gs	Method	GENSCAN
Start	7160	End	9340
GI	none	Score	.93
Exons	7160..9340		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15436	Strand	+
Start	7160	End	9340
Name	OJ990701_05.9922.C4.o3.np	Method	AAT/NAP
Start	7160	End	9336
GI	6016874	Score	1788
Exons	7160..7238, 7322..7459, 7524..7756, 8147..8306, 8700..8879, 8997..9336		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15436	Strand	+
Start	7160	End	9340
Name	OJ990701_05.9922.C4.o1.gp	Method	AAT/GAP
Start	7849	End	8357
GI	uC-osflcyp110c07b1	Score	970
Exons	7849..8357		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15437	Strand	-
Start	75	End	5095
Name	OJ990701_05.9922.C4.o1.gs	Method	GENSCAN
Start	75	End	5095
GI	none	Score	.5
Exons	75..224, 450..524, 1167..1236, 3252..3393, 3477..3809, 4466..5014, 5026..5095		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15437	Strand	-
Start	75	End	5095
Name	OJ990701_05.9922.C4.o1.np	Method	AAT/NAP
Start	202	End	5083
GI	3176723	Score	354
Exons	202..229, 474..524, 3079..3150, 3252..3393, 3477..3965, 4466..5083		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15437	Strand	-
Start	75	End	5095
Name	OJ990701_05.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	3103	End	3558
GI	none	Score	50
Exons	3103..3150, 3275..3391, 3287..3394, 3288..3398, 3457..3558,		

3488..3550

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15438	Strand	
Start	7508	End	7954
Name	OJ990701_05.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	7508	End	7954
GI	none	Score	69
Exons	7508..7594, 7579..7788, 7580..7828, 7865..7921, 7916..7954		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15439	Strand	
Start	8048	End	8362
Name	OJ990701_05.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	8048	End	8362
GI	none	Score	65
Exons	8048..8122, 8135..8362, 8143..8361		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15440	Strand	
Start	8567	End	8919
Name	OJ990701_05.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	8567	End	8919
GI	none	Score	240
Exons	8567..8848, 8578..8919		

Seq. No.	7337	Seq. ID	OJ990701_05.9922.C4
Gene No.	15441	Strand	
Start	9031	End	9274
Name	OJ990701_05.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	9031	End	9274
GI	none	Score	282
Exons	9031..9171, 9041..9274		

Seq. No.	7338	Seq. ID	OJ990701_05.9922.C5
Gene No.	15442	Strand	+
Start	1	End	1686
Name	OJ990701_05.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	1686
GI	6016874	Score	401
Exons	1..316, 1472..1686		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	7338	Seq. ID	OJ990701_05.9922.C5
Gene No.	15442	Strand	+
Start	1	End	1686
Name	OJ990701_05.9922.C5.o1.gs	Method	GENSCAN
Start	59	End	913
GI	none	Score	.88
Exons	59..315, 757..913		

Seq. No.	7339	Seq. ID	OJ990701_05.9922.C8
Gene No.	15443	Strand	+
Start	62	End	105
Name	OJ990701_05.9922.C8.o1.gs	Method	GENSCAN

Start 62
GI none
Exons 62..105

End 105
Score .65

Seq. No. 7340 Seq. ID OJ990701_05.9922.C9
Gene No. 15444 Strand +
Start 1 End 5500
Name OJ990701_05.9922.C9.o1.np Method AAT/NAP
Start 1 End 5500
GI 4680183 Score 194
Exons 1..120, 4689..4801, 5411..5500
GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No. 7340 Seq. ID OJ990701_05.9922.C9
Gene No. 15444 Strand +
Start 1 End 5500
Name OJ990701_05.9922.C9.o1.gs Method GENSCAN
Start 498 End 2528
GI none Score .75
Exons 498..647, 1360..1452, 2081..2377, 2423..2528

Seq. No. 7340 Seq. ID OJ990701_05.9922.C9
Gene No. 15445 Strand +
Start 7885 End 9741
Name OJ990701_05.9922.C9.o3.gs Method GENSCAN
Start 7885 End 9474
GI none Score .72
Exons 7885..7894, 8126..8264, 8301..8463, 8569..8700, 9375..9474

Seq. No. 7340 Seq. ID OJ990701_05.9922.C9
Gene No. 15445 Strand +
Start 7885 End 9741
Name OJ990701_05.9922.C9.o2.np Method AAT/NAP
Start 8041 End 9741
GI 4836918 Score 197
Exons 8041..8610, 9711..9741
GI Descrip. (AC007153) 89334 [Arabidopsis thaliana]

Seq. No. 7340 Seq. ID OJ990701_05.9922.C9
Gene No. 15446 Strand -
Start 5888 End 7273
Name OJ990701_05.9922.C9.o2.gs Method GENSCAN
Start 5888 End 7273
GI none Score .68
Exons 5888..5974, 6160..6517, 6561..6652, 6695..6779, 7176..7273

Seq. No. 7341 Seq. ID OJ990701_05.9922.C10
Gene No. 15447 Strand +
Start 1 End 7642
Name OJ990701_05.9922.C10.o1.np Method AAT/NAP
Start 1 End 5198
GI 4263822 Score 561
Exons 1..550, 648..949, 2361..2455, 2577..2733, 2885..3066,
3443..3569, 4424..4492, 4578..4737, 4808..5198
GI Descrip. (AC006067) putative receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o1.gs	Method	GENSCAN
Start	81	End	1268
GI	none	Score	.9
Exons	81..550, 648..786, 1067..1268		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	468	End	926
GI	none	Score	87
Exons	468..539, 469..570, 643..783, 647..811, 658..822, 878..925, 888..926		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	2550	End	3594
GI	none	Score	37
Exons	2550..2579, 2594..2698, 2594..2701, 2823..2930, 2830..3069, 2830..3069, 2889..3074, 3434..3574, 3440..3574, 3472..3594		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o2.gs	Method	GENSCAN
Start	2565	End	7642
GI	none	Score	.67
Exons	2565..2703, 2804..3066, 3443..3569, 3690..3758, 4424..4492, 4578..4737, 4808..5184, 5771..6043, 6442..6535, 6645..6883, 7070..7324, 7610..7642		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	4576	End	5796
GI	none	Score	114
Exons	4576..4686, 4577..4687, 4679..4747, 4809..4898, 4959..5135, 5722..5796		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642
Name	OJ990701_05.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	4577	End	6030
GI	none	Score	126
Exons	4577..4687, 4688..4741, 4809..4910, 4905..5105, 5707..5802, 5836..6030		

Seq. No.	7341	Seq. ID	OJ990701_05.9922.C10
Gene No.	15447	Strand	+
Start	1	End	7642

Name	OJ990701_05.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	4577	End	6009
GI	none	Score	116
Exons	4577..4717, 4679..4741, 4809..4907, 4914..5111, 5707..5787, 5830..6009		

Seq. No.	7342	Seq. ID	OJ990701_05.9922.C11
Gene No.	15448	Strand	+
Start	564	End	1247
Name	OJ990701_05.9922.C11.o1.gs	Method	GENSCAN
Start	564	End	1247
GI	none	Score	.79
Exons	564..608, 1083..1247		

Seq. No.	7342	Seq. ID	OJ990701_05.9922.C11
Gene No.	15449	Strand	+
Start	4356	End	10547
Name	OJ990701_05.9922.C11.o2.gs	Method	GENSCAN
Start	4356	End	10375
GI	none	Score	.47
Exons	4356..4429, 4480..4578, 8011..8132, 8355..8453, 9596..10167, 10283..10375		

Seq. No.	7342	Seq. ID	OJ990701_05.9922.C11
Gene No.	15449	Strand	+
Start	4356	End	10547
Name	OJ990701_05.9922.C11.o1.np	Method	AAT/NAP
Start	9512	End	10547
GI	4836918	Score	178
Exons	9512..10078, 10499..10547		
GI Descrip.	(AC007153) 89334 [Arabidopsis thaliana]		

Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15450	Strand	+
Start	1	End	7086
Name	OJ990701_05.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	6245
GI	4263822	Score	643
Exons	1..31, 287..787, 891..1192, 3323..3425, 3534..3659, 3813..4021, 4396..4522, 5385..5453, 5539..5728, 5855..6245		
GI Descrip.	(AC006067) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15450	Strand	+
Start	1	End	7086
Name	OJ990701_05.9922.C12.o1.gs	Method	GENSCAN
Start	318	End	7086
GI	none	Score	.58
Exons	318..787, 891..1029, 3507..3655, 3759..4021, 4396..4522, 5920..6201, 6679..6888, 6899..7086		

Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	705	End	1169

GI	none	Score	87
Exons	705..776, 706..807, 890..1030, 893..1021, 1122..1169		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	3571	End	4547
GI	none	Score	248
Exons	3571..3648, 3785..4024, 3785..4021, 3844..4029, 3946..4023, 4387..4527, 4388..4528, 4394..4540, 4395..4547		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	4393	End	9501
GI	none	Score	103
Exons	4393..4518, 5537..5659, 5538..5741, 5856..5951, 5937..6185, 6765..6845, 9013..9102, 9306..9500, 9379..9501		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	5537	End	9501
GI	none	Score	203
Exons	5537..5659, 5538..5741, 5586..5732, 5856..5951, 6765..6845, 9013..9102, 9303..9500, 9379..9501		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	5538	End	9500
GI	none	Score	192
Exons	5538..5741, 5856..5951, 5997..6197, 6765..6845, 9013..9102, 9306..9500		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	5538	End	9501
GI	none	Score	115
Exons	5538..5657, 5682..5732, 5856..5945, 6753..6848, 9001..9102, 9014..9094, 9306..9371, 9381..9500, 9385..9501		
Seq. No.	7343	Seq. ID	OJ990701_05.9922.C12
Gene No.	15451	Strand	-
Start	8704	End	9501
Name	OJ990701_05.9922.C12.o2.gs	Method	GENSCAN
Start	8704	End	9424
GI	none	Score	.83
Exons	8704..9103, 9310..9424		
Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14

Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	3369
GI	6630696	Score	5445
Exons	1..3369		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	1	End	450
GI	none	Score	100
Exons	1..96, 5..109, 65..127, 127..360, 149..367, 182..361, 376..450, 377..445, 390..449		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.gs	Method	GENSCAN
Start	112	End	3198
GI	none	Score	.59
Exons	112..757, 1320..1503, 1587..2748, 2785..3198		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o5.ts	Method	TBLASTX:Soybean
Start	127	End	444
GI	none	Score	76
Exons	127..312, 188..307, 331..444, 341..409		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	306	End	678
GI	none	Score	96
Exons	306..548, 307..678, 308..655		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	451	End	1202
GI	none	Score	68
Exons	451..504, 658..798, 668..790, 813..863, 858..1202, 1018..1185		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o3.ts	Method	TBLASTX:Soybean
Start	457	End	805
GI	none	Score	77

Exons 457..645, 458..646, 641..805, 646..804

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	739	End	1203
GI	none	Score	85
Exons	739..813, 828..1202, 841..1047, 987..1067, 1072..1203		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	873	End	1289
GI	5509260	Score	126
Exons	873..1289, 1018..1242		
GI Descrip.	-		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	984	End	1250
GI	none	Score	104
Exons	984..1244, 1072..1242, 1113..1250		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	1257	End	1977
GI	none	Score	45
Exons	1257..1310, 1257..1376, 1261..1356, 1358..1510, 1370..1438, 1381..1509, 1514..1969, 1516..1968, 1915..1977		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	1627	End	2025
GI	none	Score	104
Exons	1627..1800, 1804..2025, 1817..2023		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o4.tm	Method	TBLASTX:Maize
Start	1813	End	2277
GI	none	Score	82
Exons	1813..2277, 1820..2038		

Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o4.tw	Method	TBLASTX:Wheat
Start	1978	End	2316

GI	none	Score	62
Exons	1978..2316, 1979..2128, 1987..2241		
Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o4.ts	Method	TBLASTX:Soybean
Start	2035	End	2415
GI	none	Score	89
Exons	2035..2283, 2266..2415		
Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	2389	End	2733
GI	none	Score	330
Exons	2389..2430, 2459..2728, 2459..2725, 2461..2733		
Seq. No.	7344	Seq. ID	OJ990701_05.9922.C14
Gene No.	15452	Strand	-
Start	1	End	3369
Name	OJ990701_05.9922.C14.o1.gp	Method	AAT/GAP
Start	2864	End	3369
GI	101595_1.R1084	Score	943
Exons	2864..3369		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15453	Strand	+
Start	310	End	1307
Name	OJ990701_05.9922.C16.o1.gs	Method	GENSCAN
Start	310	End	1307
GI	none	Score	.55
Exons	310..460, 508..618, 675..785, 949..1307		
Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15454	Strand	+
Start	2564	End	6255
Name	OJ990701_05.9922.C16.o2.gs	Method	GENSCAN
Start	2564	End	6255
GI	none	Score	.74
Exons	2564..2652, 2928..3108, 3202..3343, 3578..3700, 3926..4592, 4786..4922, 5258..5337, 5381..5494, 5572..6255		
Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15455	Strand	-
Start	1	End	5180
Name	OJ990701_05.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	5180
GI	6503010	Score	198
Exons	1..64, 493..874, 984..1065, 5081..5180		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		
Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-

Start	9138	End	18786
Name	OJ990701_05.9922.C16.o4.tm	Method	TBLASTX:Maize
Start	669	End	1118
GI	none	Score	51
Exons	669..713, 670..708, 710..886, 711..890, 753..887, 984..1064, 1041..1118		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o5.ts	Method	TBLASTX:Soybean
Start	669	End	875
GI	none	Score	105
Exons	669..728, 710..871, 714..875		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	673	End	1064
GI	none	Score	43
Exons	673..726, 678..728, 710..871, 711..875, 984..1064		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o3.np	Method	AAT/NAP
Start	9138	End	14593
GI	4539660	Score	858
Exons	9138..9417, 9458..9598, 9635..10462, 10802..12402, 14490..14593		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	9154	End	9427
GI	none	Score	72
Exons	9154..9423, 9157..9321, 9176..9427		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	9163	End	9423
GI	none	Score	136
Exons	9163..9423, 9182..9415		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o4.np	Method	AAT/NAP
Start	9390	End	13507
GI	4206306	Score	1281
Exons	9390..12508, 13455..13507		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o4.gs	Method	GENSCAN
Start	9431	End	18570
GI	none	Score	.69
Exons	9431..9702, 10054..10389, 10438..12682, 12714..13083, 13124..13160, 13522..14187, 14394..14643, 14737..14883, 14983..15155, 15189..15972, 16956..17076, 18538..18570		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o3.tw	Method	TBLASTX:Wheat
Start	9443	End	9817
GI	none	Score	74
Exons	9443..9817, 9444..9587		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o7.ts	Method	TBLASTX:Soybean
Start	9452	End	9634
GI	none	Score	107
Exons	9452..9634, 9462..9632		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o3.ts	Method	TBLASTX:Soybean
Start	10067	End	10375
GI	none	Score	89
Exons	10067..10375, 10155..10316		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o5.tm	Method	TBLASTX:Maize
Start	10232	End	10609
GI	none	Score	195
Exons	10232..10609		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o4.tw	Method	TBLASTX:Wheat
Start	10796	End	11194
GI	none	Score	78
Exons	10796..11065, 11105..11194		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	10829	End	11239
GI	none	Score	93
Exons	10829..11080, 10914..11078, 11088..11237, 11102..11239		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	11390	End	11860
GI	none	Score	78
Exons	11390..11578, 11403..11534, 11579..11860, 11685..11822		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o5.tw	Method	TBLASTX:Wheat
Start	11540	End	11858
GI	none	Score	102
Exons	11540..11857, 11544..11858		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	11546	End	12007
GI	none	Score	295
Exons	11546..12007, 11547..12005, 11618..12007		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	11876	End	12280
GI	none	Score	221
Exons	11876..12220, 11876..12229, 12218..12280, 12248..12280		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	12008	End	12226
GI	none	Score	147
Exons	12008..12226, 12009..12206, 12026..12226		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o4.ts	Method	TBLASTX:Soybean
Start	12077	End	12442
GI	none	Score	70
Exons	12077..12211, 12224..12442, 12309..12431		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o6.ts	Method	TBLASTX:Soybean
Start	12852	End	13190
GI	none	Score	188
Exons	12852..13190		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o1.gp	Method	AAT/GAP
Start	17167	End	17768
GI	3761363	Score	859
Exons	17167..17768		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804		

Seq. No.	7345	Seq. ID	OJ990701_05.9922.C16
Gene No.	15456	Strand	-
Start	9138	End	18786
Name	OJ990701_05.9922.C16.o7.np	Method	AAT/NAP
Start	17727	End	18786
GI	6063554	Score	110
Exons	17727..17902, 18538..18584, 18764..18786		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7346	Seq. ID	OJ990701_05.9922.C17
Gene No.	15457	Strand	-
Start	260	End	1279
Name	OJ990701_05.9922.C17.o1.gs	Method	GENSCAN
Start	260	End	1279
GI	none	Score	.89
Exons	260..335, 426..755, 1083..1279		

Seq. No.	7347	Seq. ID	OJ990701_05.9922.C19
Gene No.	15458	Strand	+
Start	1	End	510
Name	OJ990701_05.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	510
GI	6742729	Score	492
Exons	1..510		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7347	Seq. ID	OJ990701_05.9922.C19
Gene No.	15458	Strand	+
Start	1	End	510
Name	OJ990701_05.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	1	End	503
GI	none	Score	253
Exons	1..273, 3..251, 251..490, 264..503		

Seq. No.	7347	Seq. ID	OJ990701_05.9922.C19
Gene No.	15458	Strand	+
Start	1	End	510
Name	OJ990701_05.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	314
GI	none	Score	246
Exons	1..279, 12..272, 270..314		

Seq. No.	7347	Seq. ID	OJ990701_05.9922.C19
Gene No.	15458	Strand	+
Start	1	End	510

Name	OJ990701_05.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	264	End	503
GI	none	Score	226
Exons	264..503, 269..490		
Seq. No.	7347	Seq. ID	OJ990701_05.9922.C19
Gene No.	15458	Strand	+
Start	1	End	510
Name	OJ990701_05.9922.C19.o1.gs	Method	GENSCAN
Start	291	End	463
GI	none	Score	.65
Exons	291..463		
Seq. No.	7348	Seq. ID	OJ990701_02.9922.C1
Gene No.	15459	Strand	+
Start	1	End	233
Name	OJ990701_02.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	233
GI	5295958	Score	364
Exons	1..233		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		
Seq. No.	7348	Seq. ID	OJ990701_02.9922.C1
Gene No.	15459	Strand	+
Start	1	End	233
Name	OJ990701_02.9922.C1.o1.gs	Method	GENSCAN
Start	50	End	209
GI	none	Score	.99
Exons	50..209		
Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15460	Strand	+
Start	6576	End	14280
Name	OJ990701_02.9922.C3.o2.gs	Method	GENSCAN
Start	6576	End	14280
GI	none	Score	.57
Exons	6576..6633, 7015..7129, 7362..7429, 9388..9551, 10535..10852, 10913..11213, 12473..12558, 12689..12912, 12986..13046, 13709..13903, 14056..14280		
Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o3.gp	Method	AAT/GAP
Start	17321	End	17823
GI	5003741	Score	775
Exons	17321..17547, 17632..17823		
Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o4.gs	Method	GENSCAN
Start	17326	End	21062
GI	none	Score	.68
Exons	17326..17547, 17632..17935, 18776..18861, 18933..19222, 19300..19360, 19848..19943, 20523..20678, 20886..21062		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o4.np	Method	AAT/NAP
Start	17358	End	19375
GI	5295966	Score	491
Exons	17358..17547, 17632..17935, 18776..18865, 19003..19222, 19300..19375		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o5.np	Method	AAT/NAP
Start	17377	End	20457
GI	2129844	Score	337
Exons	17377..17547, 17632..17935, 18776..18861, 18999..19222, 20406..20457		
GI Descrip.	stress-induced protein stil - soybean		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o4.gp	Method	AAT/GAP
Start	19916	End	21306
GI	98709_1.R1084	Score	1134
Exons	19916..19943, 20523..20678, 20886..21306		
GI Descrip.	'3386603 1.0e-17 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15461	Strand	+
Start	17326	End	21306
Name	OJ990701_02.9922.C3.o6.np	Method	AAT/NAP
Start	20886	End	21080
GI	3386603	Score	145
Exons	20886..21080		
GI Descrip.	(AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15462	Strand	-
Start	292	End	5078
Name	OJ990701_02.9922.C3.o1.gs	Method	GENSCAN
Start	292	End	4378
GI	none	Score	.65
Exons	292..436, 438..626, 1607..1773, 1949..2323, 2416..2540, 3226..3404, 3816..3953, 4307..4378		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15462	Strand	-
Start	292	End	5078
Name	OJ990701_02.9922.C3.o1.gp	Method	AAT/GAP
Start	448	End	509
GI	4878407	Score	88
Exons	448..509		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic		

DNA, chromosome 6, clone:P0514G12

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15462	Strand	-
Start	292	End	5078
Name	OJ990701_02.9922.C3.o1.np	Method	AAT/NAP
Start	1461	End	3953
GI	5295955	Score	653
Exons	1461..2397, 2426..2545, 3226..3340, 3884..3953		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15462	Strand	-
Start	292	End	5078
Name	OJ990701_02.9922.C3.o2.np	Method	AAT/NAP
Start	3505	End	5078
GI	4680186	Score	218
Exons	3505..3539, 4886..5078		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15463	Strand	-
Start	15602	End	16020
Name	OJ990701_02.9922.C3.o2.gp	Method	AAT/GAP
Start	15417	End	16020
GI	267_2.R1084	Score	1086
Exons	15417..16020		
GI Descrip.	'2116601/dbj BAA20144 4.0e-47 (AB003784) Histone H3 [Drosophila simulans]'		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15463	Strand	-
Start	15602	End	16020
Name	OJ990701_02.9922.C3.o3.gs	Method	GENSCAN
Start	15602	End	16012
GI	none	Score	1
Exons	15602..16012		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15463	Strand	-
Start	15602	End	16020
Name	OJ990701_02.9922.C3.o3.np	Method	AAT/NAP
Start	15605	End	16012
GI	122085	Score	673
Exons	15605..16012		
GI Descrip.	HISTONE H3 gi 81641 pir S06250 histone H3 - Arabidopsis thaliana gi 82482 pir S04099 histone H3 (variant H3R-21) - rice gi 1362194 pir S57626 histone H3 - maize gi 20251 emb CAA31969 (X13678) histone H3 (AA 1-136) [Oryza sativa] gi 20253 emb CAA31970 (X13680) histone H3 (AA 1-136) [Oryza sativa] gi 168493 (M36658) histone H3 (H3C3) [Zea mays] gi 168495 (M13378) h		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073

Name	OJ990701_02.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	10664	End	19220
GI	none	Score	62
Exons	10664..10846, 10931..10984, 10933..11112, 12471..12575, 12472..12561, 12692..12919, 12714..12914, 12984..13046, 18774..18869, 18775..18864, 19002..19220		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	10724	End	19220
GI	none	Score	60
Exons	10724..10846, 10931..10984, 12472..12546, 12692..12919, 12698..12907, 12984..13046, 18775..18861, 19002..19220, 19056..19214		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	12692	End	19220
GI	none	Score	198
Exons	12692..12919, 12695..12874, 19002..19220, 19008..19187		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	14049	End	21092
GI	none	Score	228
Exons	14049..14219, 14050..14232, 14058..14234, 20871..21065, 20879..21091, 20880..21092		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	14070	End	21065
GI	none	Score	206
Exons	14070..14231, 14071..14274, 20900..21052, 20901..21065, 20907..21065		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	15632	End	22073
GI	none	Score	382
Exons	15632..16012, 15636..16004, 21629..21991, 21636..22073, 21867..22001, 22000..22026		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	15632	End	22027

GI	none	Score	226
Exons	15632..15895, 15632..16012, 15636..16004, 15982..16038, 21626..21991, 21635..21994, 21636..22001, 21801..22001, 22001..22027		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	15632	End	22027
GI	none	Score	217
Exons	15632..15895, 15632..16012, 15636..16004, 15982..16029, 21632..21991, 21636..22001, 21864..22001, 22001..22027		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	15632	End	22001
GI	none	Score	95
Exons	15632..15781, 15632..16012, 15639..16004, 21629..21991, 21636..21992, 21867..22001, 21869..21994		

Seq. No.	7349	Seq. ID	OJ990701_02.9922.C3
Gene No.	15464	Strand	-
Start	21635	End	22073
Name	OJ990701_02.9922.C3.o7.np	Method	AAT/NAP
Start	21635	End	22032
GI	122085	Score	577
Exons	21635..22032		
GI Descrip.	HISTONE H3 gi 81641 pir S06250 histone H3 - Arabidopsis thaliana gi 82482 pir S04099 histone H3 (variant H3R-21) - rice gi 1362194 pir S57626 histone H3 - maize gi 20251 emb CAA31969 (X13678) histone H3 (AA 1-136) [Oryza sativa] gi 20253 emb CAA31970 (X13680) histone H3 (AA 1-136) [Oryza sativa] gi 168493 (M36658) histone H3 (H3C3) [Zea mays] gi 168495 (M13378) h		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15465	Strand	+
Start	4198	End	7879
Name	OJ990701_02.9922.C4.o2.gs	Method	GENSCAN
Start	4198	End	7069
GI	none	Score	.54
Exons	4198..4392, 4724..4982, 5789..5846, 5920..5971, 6467..6544, 6878..7069		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15465	Strand	+
Start	4198	End	7879
Name	OJ990701_02.9922.C4.o2.np	Method	AAT/NAP
Start	4198	End	6900
GI	5295938	Score	759
Exons	4198..4392, 4724..4982, 6878..6900		
GI Descrip.	(AB026295) EST C73147(E2988) corresponds to a region of the predicted gene.; Similar to Glycin max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15465	Strand	+
Start	4198	End	7879
Name	OJ990701_02.9922.C4.o1.gp	Method	AAT/GAP
Start	6890	End	7879
GI	75279 1.R1084	Score	1102
Exons	6890..7054, 7460..7879		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15465	Strand	+
Start	4198	End	7879
Name	OJ990701_02.9922.C4.o3.np	Method	AAT/NAP
Start	7436	End	7642
GI	3386604	Score	178
Exons	7436..7642		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15466	Strand	+
Start	9029	End	9617
Name	OJ990701_02.9922.C4.o3.gp	Method	AAT/GAP
Start	8952	End	9437
GI	267 5.R1084	Score	844
Exons	8952..9437		
GI Descrip.	'122087/sp P02300 H3_PEA 8.0e-61 HISTONE H3 >gi_81849_pir_S04520 histone H3 (clone pH3c-1) - alfalfa >gi_82609_pir_A26014 histone H3 - wheat >gi_19607_emb_CAA31964_ (X13673) histone H3 (AA 1-136) [Medicago sativa] >gi_19609_emb_CAA31965 (X13674) histone H3 (AA 1-136) [Medicago sativa] >gi_21797_emb_CAA25451 (X00937) H3 histone [Triticum aestivum] >gi_488565 (U09459) histone H3.1 [M'		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15466	Strand	+
Start	9029	End	9617
Name	OJ990701_02.9922.C4.o4.gs	Method	GENSCAN
Start	9029	End	9439
GI	none	Score	1
Exons	9029..9439		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15466	Strand	+
Start	9029	End	9617
Name	OJ990701_02.9922.C4.o5.np	Method	AAT/NAP
Start	9029	End	9436
GI	122085	Score	673
Exons	9029..9436		
GI Descrip.	HISTONE H3 gi 81641 pir S06250 histone H3 - Arabidopsis thaliana gi 82482 pir S04099 histone H3 (variant H3R-21) - rice gi 1362194 pir S57626 histone H3 - maize gi 20251 emb CAA31969 (X13678) histone H3 (AA 1-136) [Oryza sativa] gi 20253 emb CAA31970 (X13680) histone H3 (AA 1-136) [Oryza sativa] gi 168493 (M36658) histone H3 (H3C3) [Zea mays] gi 168495 (M13378) h		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15466	Strand	+
Start	9029	End	9617
Name	OJ990701_02.9922.C4.o4.gp	Method	AAT/GAP
Start	9280	End	9617
GI	267_8.R1084	Score	579
Exons	9280..9617		
GI Descrip.	'70748/pir HSUR3P 3.0e-10 histone H3, embryonic - sea urchin (Strongylocentrotus purpuratus)'		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15467	Strand	+
Start	19780	End	20578
Name	OJ990701_02.9922.C4.o9.np	Method	AAT/NAP
Start	19780	End	20578
GI	5295944	Score	115
Exons	19780..19836, 20549..20578		
GI Descrip.	(AB026295) Similar to Nicotiana tabacum mRNA for ERF1, complete cds.(D38123) [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15468	Strand	-
Start	1412	End	2629
Name	OJ990701_02.9922.C4.o1.gs	Method	GENSCAN
Start	1412	End	2029
GI	none	Score	.5
Exons	1412..2029		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15468	Strand	-
Start	1412	End	2629
Name	OJ990701_02.9922.C4.o1.np	Method	AAT/NAP
Start	1415	End	2629
GI	5295937	Score	1410
Exons	1415..2011, 2381..2629		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15469	Strand	-
Start	7448	End	8620
Name	OJ990701_02.9922.C4.o3.gs	Method	GENSCAN
Start	7448	End	8480
GI	none	Score	.46
Exons	7448..7500, 8084..8480		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15469	Strand	-
Start	7448	End	8620
Name	OJ990701_02.9922.C4.o2.gp	Method	AAT/GAP
Start	7832	End	8620
GI	267_5.R1084	Score	824
Exons	7832..7868, 8032..8517, 8598..8620		
GI Descrip.	'122087/sp P02300 H3_PEA 8.0e-61 HISTONE H3 >gi_81849_pir_S04520 histone H3 (clone pH3c-1) - alfalfa >gi_82609_pir_A26014 histone H3 - wheat >gi_19607_emb_CAA31964_ (X13673) histone H3 (AA 1-136) [Medicago sativa]		

>gi_19609_emb_CAA31965_ (X13674) histone H3 (AA 1-136) [Medicago sativa] >gi_21797_emb_CAA25451_ (X00937) H3 histone [Triticum aestivum] >gi_488565 (U09459) histone H3.1 [M'

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15469	Strand	-
Start	7448	End	8620
Name	OJ990701_02.9922.C4.o4.np	Method	AAT/NAP
Start	8073	End	8480
GI	122085	Score	673
Exons	8073..8480		
GI Descrip.	HISTONE H3 gi 81641 pir S06250 histone H3 - Arabidopsis thaliana gi 82482 pir S04099 histone H3 (variant H3R-21) - rice gi 1362194 pir S57626 histone H3 - maize gi 20251 emb CAA31969 (X13678) histone H3 (AA 1-136) [Oryza sativa] gi 20253 emb CAA31970 (X13680) histone H3 (AA 1-136) [Oryza sativa] gi 168493 (M36658) histone H3 (H3C3) [Zea mays] gi 168495 (M13378) h		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15470	Strand	-
Start	9931	End	11860
Name	OJ990701_02.9922.C4.o5.gp	Method	AAT/GAP
Start	9931	End	10752
GI	81139_1.R1084	Score	1278
Exons	9931..10436, 10547..10752		
GI Descrip.	'5295941/dbj BAA81842.1 5.0e-71 (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa]'		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15470	Strand	-
Start	9931	End	11860
Name	OJ990701_02.9922.C4.o5.gs	Method	GENSCAN
Start	10168	End	11825
GI	none	Score	.86
Exons	10168..10436, 10547..10817, 10921..11072, 11285..11497, 11657..11825		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15470	Strand	-
Start	9931	End	11860
Name	OJ990701_02.9922.C4.o6.np	Method	AAT/NAP
Start	10171	End	11825
GI	5295941	Score	1863
Exons	10171..10436, 10547..10817, 10921..11072, 11285..11497, 11591..11825		
GI Descrip.	(AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15470	Strand	-
Start	9931	End	11860

Name	OJ990701_02.9922.C4.o6.gp	Method	AAT/GAP
Start	11386	End	11860
GI	5443727	Score	720
Exons	11386..11497, 11591..11860		
GI Descrip.	5295941/dbj BAA81842.1 1.0e-40 (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15471	Strand	-
Start	13096	End	16321
Name	OJ990701_02.9922.C4.o6.gs	Method	GENSCAN
Start	13096	End	16321
GI	none	Score	.87
Exons	13096..13227, 13969..14160, 15107..15153, 16099..16321		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15471	Strand	-
Start	13096	End	16321
Name	OJ990701_02.9922.C4.o7.np	Method	AAT/NAP
Start	13099	End	16321
GI	5295942	Score	982
Exons	13099..13227, 13969..14160, 15107..15153, 16099..16321		
GI Descrip.	(AB026295) Similar to Gossypium barbadense Sea Island proline-rich cell wall protein gene complete cds.(U04267) [Oryza sativa]		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	1913	End	2537
GI	none	Score	136
Exons	1913..1999, 2351..2536, 2373..2537		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	7453	End	7627
GI	none	Score	210
Exons	7453..7617, 7454..7627		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	7457	End	7680
GI	none	Score	130
Exons	7457..7549, 7457..7549, 7523..7639, 7534..7680		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o1.tm	Method	TBLASTX:Maize

Start	8064	End	9463
GI	none	Score	549
Exons	8064..8480, 8068..8487, 8239..8487, 9008..9409, 9028..9405, 9260..9463		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	8064	End	9445
GI	none	Score	249
Exons	8064..8480, 8073..8363, 8074..8481, 8239..8493, 8441..8494, 9028..9405, 9029..9409, 9080..9445		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	8067	End	9409
GI	none	Score	427
Exons	8067..8480, 8074..8481, 9011..9409, 9028..9405		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	8067	End	9454
GI	none	Score	418
Exons	8067..8480, 8074..8502, 9008..9409, 9022..9402, 9260..9454		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	10165	End	11748
GI	none	Score	134
Exons	10165..10326, 10166..10327, 10360..10437, 10361..10438, 10542..10820, 10546..10617, 10696..10818, 10987..11070, 11305..11487, 11307..11495, 11586..11741, 11593..11748		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	10175	End	11085
GI	none	Score	84
Exons	10175..10372, 10207..10437, 10264..10461, 10545..10820, 10945..11085		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	11373	End	11748
GI	none	Score	97
Exons	11373..11495, 11374..11487, 11586..11741, 11587..11748		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	13102	End	15155
GI	none	Score	130
Exons	13102..13230, 13116..13229, 13162..13230, 13560..13652, 13560..13652, 13561..13653, 14033..14161, 14035..14136, 14043..14159, 15108..15155		

Seq. No.	7350	Seq. ID	OJ990701_02.9922.C4
Gene No.	15472	Strand	-
Start	17657	End	17830
Name	OJ990701_02.9922.C4.o8.np	Method	AAT/NAP
Start	17657	End	17830
GI	5295943	Score	316
Exons	17657..17830		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15473	Strand	+
Start	1	End	646
Name	OJ990701_02.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	643
GI	5295944	Score	1130
Exons	1..643		
GI Descrip.	(AB026295) Similar to Nicotiana tabacum mRNA for ERF1, complete cds.(D38123) [Oryza sativa]		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15473	Strand	+
Start	1	End	646
Name	OJ990701_02.9922.C5.o1.gs	Method	GENSCAN
Start	149	End	646
GI	none	Score	1
Exons	149..646		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15474	Strand	+
Start	2042	End	3392
Name	OJ990701_02.9922.C5.o2.gs	Method	GENSCAN
Start	2042	End	3392
GI	none	Score	.4
Exons	2042..2137, 3087..3243, 3313..3392		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	1	End	235
GI	none	Score	200
Exons	1..141, 2..235		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o2.tc	Method	TBLASTX:Cress

Start 2
GI none
Exons 2..151, 4..144

End 151
Score 182

Seq. No. 7351
Gene No. 15475
Start 5233
Name OJ990701_02.9922.C5.o3.gs
Start 5233
GI none
Exons 5233..6332, 7153..7219

Seq. ID OJ990701_02.9922.C5
Strand -
End 16095
Method GENSCAN
End 7219
Score .85

Seq. No. 7351
Gene No. 15475
Start 5233
Name OJ990701_02.9922.C5.o2.np
Start 5236
GI 5295946
Exons 5236..6332, 8318..8624

Seq. ID OJ990701_02.9922.C5
Strand -
End 16095
Method AAT/NAP
End 8624
Score 2320

GI Descrip. (AB026295) EST C74734(E50712) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 7351
Gene No. 15475
Start 5233
Name OJ990701_02.9922.C5.o1.gp
Start 5648
GI 2442963
Exons 5648..5953

Seq. ID OJ990701_02.9922.C5
Strand -
End 16095
Method AAT/GAP
End 5953
Score 577

GI Descrip. 5295946/dbj|BAA81847.1| 9.0e-42 (AB026295) EST C74734(E50712) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 7351
Gene No. 15475
Start 5233
Name OJ990701_02.9922.C5.o4.gs
Start 8373
GI none
Exons 8373..8782, 10435..10631, 10648..10802, 11633..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13302..13393, 13541..13571, 13762..13935, 15161..15238, 15896..16042

Seq. ID OJ990701_02.9922.C5
Strand -
End 16095
Method GENSCAN
End 16042
Score .68

Seq. No. 7351
Gene No. 15475
Start 5233
Name OJ990701_02.9922.C5.o2.gp
Start 10115
GI 663 1.R1084
Exons 10115..10802, 11633..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13129..13191, 13302..13393, 13490..13571, 13762..13935, 14032..14113, 14949..15073, 15161..15238, 15896..16095

Seq. ID OJ990701_02.9922.C5
Strand -
End 16095
Method AAT/GAP
End 16095
Score 3673

GI Descrip. '2833377/sp|Q40739|UGS2 ORYSA 0.0e+00 SOLUBLE GLYCOGEN (STARCH) SYNTHASE PRECURSOR (SSS) >gi_542161_pir_JQ2322 ADPglucose--starch glucosyltransferase (EC 2.4.1.21) precursor -

rice >gi_450485_dbj_BAA03739_ (D16202) soluble starch synthase precursor [Oryza sativa]

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	10539	End	13851
GI	none	Score	235
Exons	10539..10568, 10632..10808, 10645..10800, 11633..11674, 11805..11861, 11805..11858, 11806..11859, 11807..11863, 11941..12048, 11942..12049, 11942..12049, 11946..12053, 11982..12050, 12151..12303, 12175..12300, 12958..13050, 12961..13050, 12962..13054, 13120..13191, 13130..13192, 13130..13192, 13131..13193, 13292..13393, 13296..13394, 13486..13572, 13488..13574, 13762..13845, 13762..13851		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	10683	End	13051
GI	none	Score	46
Exons	10683..10808, 11820..11861, 11822..11863, 11942..12046, 11942..12049, 11982..12050, 12174..12290, 12175..12300, 12956..13051, 12958..13050		

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o3.np	Method	AAT/NAP
Start	10693	End	16095
GI	5295947	Score	2139
Exons	10693..10803, 11642..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13129..13191, 13302..13393, 13490..13571, 13762..13935, 14032..14113, 14949..15073, 15161..15238, 15896..16095		

GI Descrip. (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Rice gene for soluble starch synthase (SSS1), complete cds (exon1-15).(D38221) [Oryza sativa]

Seq. No.	7351	Seq. ID	OJ990701_02.9922.C5
Gene No.	15475	Strand	-
Start	5233	End	16095
Name	OJ990701_02.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	13912	End	16094
GI	none	Score	105
Exons	13912..13935, 14032..14106, 14033..14110, 14948..15076, 14949..15074, 14949..15080, 15161..15238, 15168..15239, 15201..15251, 15872..16093, 15884..16093, 15894..16094, 15894..16094		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15476	Strand	+
Start	1	End	1158
Name	OJ990701_02.9922.C6.o1.gp	Method	AAT/GAP
Start	1	End	1158

GI 663 1.R1084 Score 738
 Exons 1..58, 724..1158
 GI Descrip. '2833377/sp|Q40739|UGS2_ORYSA 0.0e+00 SOLUBLE GLYCOGEN (STARCH) SYNTHASE PRECURSOR (SSS) >gi_542161_pir_JQ2322 ADPglucose--starch glucosyltransferase (EC 2.4.1.21) precursor - rice >gi_450485_dbj_BAA03739_ (D16202) soluble starch synthase precursor [Oryza sativa]'

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15477 Strand +
 Start 6062 End 6334
 Name OJ990701_02.9922.C6.o3.gs Method GENSCAN
 Start 6062 End 6334
 GI none Score .6
 Exons 6062..6334

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15478 Strand +
 Start 7165 End 9621
 Name OJ990701_02.9922.C6.o4.np Method AAT/NAP
 Start 7165 End 9621
 GI 5295948 Score 2329
 Exons 7165..7270, 7450..7745, 7977..8194, 8245..8806, 9352..9621
 GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15479 Strand +
 Start 14165 End 14906
 Name OJ990701_02.9922.C6.o7.gs Method GENSCAN
 Start 14165 End 14906
 GI none Score .69
 Exons 14165..14375, 14791..14906

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15480 Strand +
 Start 16864 End 21910
 Name OJ990701_02.9922.C6.o6.np Method AAT/NAP
 Start 16864 End 21789
 GI 5295950 Score 2695
 Exons 16864..16936, 17287..17647, 19181..19373, 19772..20323, 20412..20558, 21439..21789
 GI Descrip. (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15480 Strand +
 Start 16864 End 21910
 Name OJ990701_02.9922.C6.o8.gs Method GENSCAN
 Start 16864 End 20873
 GI none Score .63
 Exons 16864..16936, 17287..17647, 19181..19373, 19772..20323, 20412..20558, 20799..20873

Seq. No. 7352 Seq. ID OJ990701_02.9922.C6
 Gene No. 15480 Strand +
 Start 16864 End 21910
 Name OJ990701_02.9922.C6.o2.gp Method AAT/GAP

Start	17348	End	17758
GI	LIB3433-037-P1-K1-H5	Score	770
Exons	17348..17758		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15480	Strand	+
Start	16864	End	21910
Name	OJ990701_02.9922.C6.o3.gp	Method	AAT/GAP
Start	18004	End	18314
GI	LIB3475-011-P1-K1-B8	Score	583
Exons	18004..18314		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 1.0e-140 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15480	Strand	+
Start	16864	End	21910
Name	OJ990701_02.9922.C6.o4.gp	Method	AAT/GAP
Start	18433	End	18993
GI	72910_1.R1084	Score	808
Exons	18433..18993		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15480	Strand	+
Start	16864	End	21910
Name	OJ990701_02.9922.C6.o5.gp	Method	AAT/GAP
Start	19844	End	20250
GI	LIB3434-021-P1-K1-G10	Score	773
Exons	19844..20250		
GI Descrip.	'5295950/dbj BAA81851.1 2.0e-70 (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15480	Strand	+
Start	16864	End	21910
Name	OJ990701_02.9922.C6.o6.gp	Method	AAT/GAP
Start	20409	End	21910
GI	97577_1.R1084	Score	1046
Exons	20409..20558, 21439..21910		
GI Descrip.	'5295950/dbj BAA81851.1 6.0e-90 (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	7352	Seq. ID	OJ990701_02.9922.C6
Gene No.	15481	Strand	+
Start	23790	End	24017
Name	OJ990701_02.9922.C6.o7.np	Method	AAT/NAP
Start	23790	End	24013
GI	5295951	Score	374
Exons	23790..24013		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857). [Oryza sativa]		

Seq. No. 7352
 Gene No. 15481
 Start 23790
 Name OJ990701_02.9922.C6.o9.gs
 Start 23790
 GI none
 Exons 23790..24017

Seq. ID OJ990701_02.9922.C6
 Strand +
 End 24017
 Method GENSCAN
 End 24017
 Score .83

Seq. No. 7352
 Gene No. 15482
 Start 1
 Name OJ990701_02.9922.C6.o1.np
 Start 1
 GI 5295947
 Exons 1..57, 723..1022

Seq. ID OJ990701_02.9922.C6
 Strand -
 End 1022
 Method AAT/NAP
 End 1022
 Score 478

GI Descrip. (AB026295) ESTs AU075322(C11109), D22430(C11109) correspond to a region of the predicted gene.; Rice gene for soluble starch synthase (SSS1), complete cds (exon1-15).(D38221) [Oryza sativa]

Seq. No. 7352
 Gene No. 15483
 Start 6129
 Name OJ990701_02.9922.C6.o3.np
 Start 6129
 GI 6721512
 Exons 6129..6173, 6287..6317, 6361..6494, 6522..6654, 7557..7715, 8519..8557

Seq. ID OJ990701_02.9922.C6
 Strand -
 End 8831
 Method AAT/NAP
 End 8557
 Score 156

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 7352
 Gene No. 15483
 Start 6129
 Name OJ990701_02.9922.C6.o4.gs
 Start 6971
 GI none
 Exons 6971..7114, 7629..7766, 7875..7998, 8055..8224, 8264..8677, 8682..8831

Seq. ID OJ990701_02.9922.C6
 Strand -
 End 8831
 Method GENSCAN
 End 8831
 Score .57

Seq. No. 7352
 Gene No. 15484
 Start 11991
 Name OJ990701_02.9922.C6.o5.np
 Start 11991
 GI 5295949
 Exons 11991..12317

Seq. ID OJ990701_02.9922.C6
 Strand -
 End 12317
 Method AAT/NAP
 End 12317
 Score 499

GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No. 7352
 Gene No. 15485
 Start 24347
 Name OJ990701_02.9922.C6.o10.gs
 Start 24347
 GI none
 Exons 24347..24490

Seq. ID OJ990701_02.9922.C6
 Strand -
 End 24490
 Method GENSCAN
 End 24490
 Score .99

Seq. No. 7353

Seq. ID OJ990701_02.9922.C7

Gene No.	15486	Strand	+
Start	231	End	2699
Name	OJ990701_02.9922.C7.o1.np	Method	AAT/NAP
Start	231	End	2696
GI	5295951	Score	3318
Exons	231..1588, 2128..2696		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	7353	Seq. ID	OJ990701_02.9922.C7
Gene No.	15486	Strand	+
Start	231	End	2699
Name	OJ990701_02.9922.C7.o1.gs	Method	GENSCAN
Start	283	End	2699
GI	none	Score	.85
Exons	283..1588, 2128..2699		

Seq. No.	7353	Seq. ID	OJ990701_02.9922.C7
Gene No.	15487	Strand	-
Start	3489	End	3538
Name	OJ990701_02.9922.C7.o2.gs	Method	GENSCAN
Start	3489	End	3538
GI	none	Score	.79
Exons	3489..3538		

Seq. No.	7354	Seq. ID	OJ990701_02.9922.C8
Gene No.	15488	Strand	+
Start	416	End	549
Name	OJ990701_02.9922.C8.o1.gs	Method	GENSCAN
Start	416	End	549
GI	none	Score	.67
Exons	416..549		

Seq. No.	7354	Seq. ID	OJ990701_02.9922.C8
Gene No.	15489	Strand	-
Start	702	End	1280
Name	OJ990701_02.9922.C8.o1.np	Method	AAT/NAP
Start	702	End	1280
GI	6069646	Score	259
Exons	702..1280		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	7354	Seq. ID	OJ990701_02.9922.C8
Gene No.	15490	Strand	-
Start	1534	End	1965
Name	OJ990701_02.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	726	End	1272
GI	none	Score	113
Exons	726..854, 964..1272, 1064..1222		

Seq. No.	7354	Seq. ID	OJ990701_02.9922.C8
Gene No.	15490	Strand	-
Start	1534	End	1965

Name	OJ990701_02.9922.C8.o2.gs	Method	GENSCAN
Start	1534	End	1899
GI	none	Score	.97
Exons	1534..1899		

Seq. No.	7354	Seq. ID	OJ990701_02.9922.C8
Gene No.	15490	Strand	-
Start	1534	End	1965
Name	OJ990701_02.9922.C8.o2.np	Method	AAT/NAP
Start	1537	End	1965
GI	5295953	Score	585
Exons	1537..1965		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15491	Strand	+
Start	43	End	4097
Name	OJ990701_02.9922.C9.o1.gp	Method	AAT/GAP
Start	43	End	459
GI	LIB3431-022-P1-N1-F9	Score	728
Exons	43..459		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15491	Strand	+
Start	43	End	4097
Name	OJ990701_02.9922.C9.o1.gs	Method	GENSCAN
Start	153	End	4097
GI	none	Score	.55
Exons	153..416, 1001..1192, 3673..3747, 3840..3921, 3965..4078, 4084..4097		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15491	Strand	+
Start	43	End	4097
Name	OJ990701_02.9922.C9.o2.np	Method	AAT/NAP
Start	989	End	1865
GI	5295954	Score	782
Exons	989..1390, 1752..1865		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15492	Strand	-
Start	1	End	494
Name	OJ990701_02.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	494
GI	5295953	Score	458
Exons	1..28, 147..494		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15493	Strand	-
Start	2772	End	6302
Name	OJ990701_02.9922.C9.o3.np	Method	AAT/NAP
Start	2772	End	5724
GI	5295955	Score	1893

Exons 2772..2832, 3183..3770, 3850..4254, 4935..5047, 5590..5724
 GI Descrip. (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555)
 [Oryza sativa]

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15493	Strand	-
Start	2772	End	6302
Name	OJ990701_02.9922.C9.o4.np	Method	AAT/NAP
Start	3122	End	6302
GI	5295955	Score	2119
Exons	3122..3770, 3850..4254, 4935..5047, 5590..5659, 6106..6302		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	7355	Seq. ID	OJ990701_02.9922.C9
Gene No.	15493	Strand	-
Start	2772	End	6302
Name	OJ990701_02.9922.C9.o2.gs	Method	GENSCAN
Start	4430	End	5659
GI	none	Score	.55
Exons	4430..4518, 4926..4983, 5522..5659		

Seq. No.	7356	Seq. ID	OJ990701_02.9922.C10
Gene No.	15494	Strand	+
Start	1185	End	1442
Name	OJ990701_02.9922.C10.o1.gs	Method	GENSCAN
Start	1185	End	1442
GI	none	Score	.52
Exons	1185..1442		

Seq. No.	7356	Seq. ID	OJ990701_02.9922.C10
Gene No.	15495	Strand	-
Start	1	End	437
Name	OJ990701_02.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	437
GI	5295955	Score	717
Exons	1..437		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	7356	Seq. ID	OJ990701_02.9922.C10
Gene No.	15496	Strand	-
Start	1892	End	2251
Name	OJ990701_02.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	585	End	1226
GI	none	Score	65
Exons	585..704, 588..713, 588..695, 596..703, 599..724, 627..722, 631..762, 648..722, 721..846, 721..846, 725..859, 725..850, 726..860, 726..887, 728..853, 739..894, 739..870, 746..868, 750..884, 751..873, 752..877, 753..860, 876..1001, 895..1005, 897..1025, 898..1008, 900..1022, 901..1023, 905..1012, 905..1015, 906..1022, 907..1014, 909..1013, 909..1022, 913..1044, 915..1028, 916..1044, 1035..1076, 1035..1139, 1085..1195, 1094..1195, 1097..1201, 1114..1203, 1114..1203, 1117..1209, 1120..1206, 1122..1208, 1124..1222, 1125..1205, 1128..1223, 1131..1226, 1132..1209		

Seq. No.	7356	Seq. ID	OJ990701_02.9922.C10
Gene No.	15496	Strand	-
Start	1892	End	2251
Name	OJ990701_02.9922.C10.o2.gs	Method	GENSCAN
Start	1892	End	2251
GI	none	Score	.85
Exons	1892..2004, 2209..2251		

Seq. No.	7357	Seq. ID	OJ990701_02.9922.C11
Gene No.	15497	Strand	+
Start	1	End	1317
Name	OJ990701_02.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	1112
GI	5295957	Score	855
Exons	1..370, 969..1112		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7357	Seq. ID	OJ990701_02.9922.C11
Gene No.	15497	Strand	+
Start	1	End	1317
Name	OJ990701_02.9922.C11.o1.gs	Method	GENSCAN
Start	32	End	1317
GI	none	Score	.66
Exons	32..370, 969..1107, 1126..1248, 1310..1317		

Seq. No.	7357	Seq. ID	OJ990701_02.9922.C11
Gene No.	15498	Strand	+
Start	2925	End	3455
Name	OJ990701_02.9922.C11.o2.np	Method	AAT/NAP
Start	2925	End	3455
GI	5295958	Score	153
Exons	2925..3115, 3180..3455		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15499	Strand	+
Start	1	End	1308
Name	OJ990701_02.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	427
GI	5295948	Score	54
Exons	1..28, 213..427		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15499	Strand	+
Start	1	End	1308
Name	OJ990701_02.9922.C12.o1.gs	Method	GENSCAN
Start	155	End	1308
GI	none	Score	.63
Exons	155..416, 643..675, 1271..1308		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15500	Strand	+
Start	2461	End	3513
Name	OJ990701_02.9922.C12.o2.np	Method	AAT/NAP
Start	2461	End	3513
GI	5295959	Score	1122

Exons 2461..2565, 2971..3513
GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15501	Strand	+
Start	9172	End	9814
Name	OJ990701_02.9922.C12.o4.np	Method	AAT/NAP
Start	9172	End	9814
GI	5295959	Score	493

Exons 9172..9814
GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15502	Strand	+
Start	12834	End	14753
Name	OJ990701_02.9922.C12.o4.gs	Method	GENSCAN
Start	12834	End	14753
GI	none	Score	.93

Exons 12834..13321, 13801..14122, 14505..14753

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15502	Strand	+
Start	12834	End	14753
Name	OJ990701_02.9922.C12.o5.np	Method	AAT/NAP
Start	12834	End	14750
GI	5295961	Score	1789

Exons 12834..13321, 13801..14122, 14505..14750
GI Descrip. (AB026295) Similar to leucoanthocyanidin dioxygenase. (AI440611) [Oryza sativa]

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15503	Strand	-
Start	2238	End	9996
Name	OJ990701_02.9922.C12.o2.gs	Method	GENSCAN
Start	2238	End	6951
GI	none	Score	.78

Exons 2238..2538, 2709..2815, 3082..3428, 3971..4048, 5394..5501, 6702..6951

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15503	Strand	-
Start	2238	End	9996
Name	OJ990701_02.9922.C12.o3.np	Method	AAT/NAP
Start	6782	End	7517
GI	5295960	Score	860

Exons 6782..6996, 7217..7517
GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15503	Strand	-
Start	2238	End	9996
Name	OJ990701_02.9922.C12.o3.gs	Method	GENSCAN
Start	7122	End	9996
GI	none	Score	.77

Exons 7122..7696, 7875..8000, 8446..8815, 8874..8922, 9026..9056, 9126..9531, 9536..9718, 9796..9996

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15504	Strand	-
Start	15315	End	20330
Name	OJ990701_02.9922.C12.o5.gs	Method	GENSCAN
Start	15315	End	20330
GI	none	Score	.86
Exons	15315..15419, 15523..15686, 15978..16296, 17062..17200, 17449..17530, 18019..18097, 18443..18622, 19119..19378, 19500..19602, 19777..19917, 20226..20330		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	13020	End	13999
GI	none	Score	127
Exons	13020..13097, 13023..13130, 13125..13196, 13182..13217, 13230..13340, 13256..13303, 13799..13999, 13801..13998, 13817..13999		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o2.tc	Method	TBLASTX:Cress
Start	13038	End	14056
GI	none	Score	95
Exons	13038..13160, 13224..13319, 13781..14002, 13814..14056		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o4.tm	Method	TBLASTX:Maize
Start	13798	End	13957
GI	none	Score	65
Exons	13798..13845, 13799..13855, 13802..13846, 13832..13957, 13838..13951, 13849..13956		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	13957	End	14762
GI	none	Score	191
Exons	13957..14121, 13959..14120, 13963..14121, 13964..14128, 13964..14122, 14342..14380, 14491..14757, 14502..14759, 14503..14754, 14504..14761, 14505..14762		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	14000	End	14747
GI	none	Score	83
Exons	14000..14059, 14063..14128, 14504..14746, 14505..14747		

Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-

Start	21374	End	24245
Name	OJ990701_02.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	14504	End	14741
GI	none	Score	157
Exons	14504..14602, 14505..14633, 14649..14741, 14663..14740		
Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	15318	End	15663
GI	none	Score	90
Exons	15318..15419, 15328..15420, 15520..15663		
Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	19189	End	19573
GI	none	Score	77
Exons	19189..19275, 19191..19259, 19266..19379, 19267..19380, 19498..19539, 19499..19573		
Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o6.gs	Method	GENSCAN
Start	21374	End	24187
GI	none	Score	.96
Exons	21374..21588, 21844..21943, 22416..22475, 22689..22736, 22827..22931, 24118..24187		
Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o1.gp	Method	AAT/GAP
Start	21657	End	22181
GI	360 4.R1084	Score	1034
Exons	21657..22181		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	7358	Seq. ID	OJ990701_02.9922.C12
Gene No.	15505	Strand	-
Start	21374	End	24245
Name	OJ990701_02.9922.C12.o7.np	Method	AAT/NAP
Start	21851	End	24245
GI	4218115	Score	312
Exons	21851..21943, 22689..22736, 22827..22915, 23331..23379, 24118..24245		
GI Descrip.	(AL035353) putative protein [Arabidopsis thaliana]		
Seq. No.	7359	Seq. ID	OJ990701_02.9922.C13
Gene No.	15506	Strand	-
Start	241	End	729
Name	OJ990701_02.9922.C13.o1.np	Method	AAT/NAP
Start	165	End	546

GI 5295952 Score 508
 Exons 165..272, 337..546
 GI Descrip. (AB026295) hypothetical protein [Oryza sativa]

Seq. No. 7359 Seq. ID OJ990701_02.9922.C13
 Gene No. 15506 Strand -
 Start 241 End 729
 Name OJ990701_02.9922.C13.o1.gs Method GENSCAN
 Start 241 End 729
 GI none Score .65
 Exons 241..603, 608..729

Seq. No. 7360 Seq. ID OJ990701_02.9922.C14
 Gene No. 15507 Strand +
 Start 340 End 410
 Name OJ990701_02.9922.C14.o1.gs Method GENSCAN
 Start 340 End 410
 GI none Score .65
 Exons 340..410

Seq. No. 7360 Seq. ID OJ990701_02.9922.C14
 Gene No. 15508 Strand -
 Start 1364 End 1427
 Name OJ990701_02.9922.C14.o2.gs Method GENSCAN
 Start 1364 End 1427
 GI none Score .58
 Exons 1364..1427

Seq. No. 7361 Seq. ID OJ990701_01.9919.C3
 Gene No. 15509 Strand +
 Start 1766 End 2233
 Name OJ990701_01.9919.C3.o1.gs Method GENSCAN
 Start 1766 End 2233
 GI none Score .47
 Exons 1766..1970, 2089..2233

Seq. No. 7361 Seq. ID OJ990701_01.9919.C3
 Gene No. 15510 Strand +
 Start 3259 End 3592
 Name OJ990701_01.9919.C3.o1.gp Method AAT/GAP
 Start 3259 End 3592
 GI 17756_2.R1084 Score 375
 Exons 3259..3453, 3559..3592
 GI Descrip. '4220479 1.0e-22 (AC006069) unknown protein [Arabidopsis thaliana]'

Seq. No. 7361 Seq. ID OJ990701_01.9919.C3
 Gene No. 15511 Strand +
 Start 3752 End 6090
 Name OJ990701_01.9919.C3.o1.tw Method TBLASTX:Wheat
 Start 11 End 350
 GI none Score 55
 Exons 11..91, 77..349, 90..350

Seq. No. 7361 Seq. ID OJ990701_01.9919.C3
 Gene No. 15511 Strand +
 Start 3752 End 6090

Name	OJ990701_01.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	240	End	527
GI	none	Score	266
Exons	240..527, 240..509		

Seq. No.	7361	Seq. ID	OJ990701_01.9919.C3
Gene No.	15511	Strand	+
Start	3752	End	6090
Name	OJ990701_01.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	1762	End	6090
GI	none	Score	236
Exons	1762..1971, 1795..1971, 2070..2210, 2087..2236, 2087..2200, 2089..2235, 2244..2282, 2252..2281, 2313..2432, 2317..2445, 2318..2446, 3252..3329, 3254..3322, 3267..3329, 3324..3458, 3325..3453, 3573..3749, 3574..3750, 3602..3748, 3747..3887, 3748..3888, 3749..3883, 3752..3892, 5982..6089, 6001..6090, 6002..6085		

Seq. No.	7361	Seq. ID	OJ990701_01.9919.C3
Gene No.	15511	Strand	+
Start	3752	End	6090
Name	OJ990701_01.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	3285	End	3752
GI	none	Score	47
Exons	3285..3329, 3324..3458, 3325..3453, 3573..3752, 3585..3695, 3598..3699, 3602..3751		

Seq. No.	7361	Seq. ID	OJ990701_01.9919.C3
Gene No.	15511	Strand	+
Start	3752	End	6090
Name	OJ990701_01.9919.C3.o2.gs	Method	GENSCAN
Start	3752	End	5590
GI	none	Score	.93
Exons	3752..3885, 5078..5220, 5361..5590		

Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15512	Strand	+
Start	2317	End	13225
Name	OJ990701_01.9919.C4.o1.gs	Method	GENSCAN
Start	2317	End	13225
GI	none	Score	.72
Exons	2317..2436, 3174..3473, 3596..3802, 5180..5244, 5858..6002, 8326..8475, 8880..8907, 9500..9655, 10212..10366, 10607..10727, 13008..13225		

Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15512	Strand	+
Start	2317	End	13225
Name	OJ990701_01.9919.C4.o1.np	Method	AAT/NAP
Start	3183	End	6057
GI	1652082	Score	390
Exons	3183..3470, 3596..3806, 4725..4816, 5180..5244, 5861..6057		
GI Descrip.	(D90902) UDP-3-O-acyl N-acetylglucosamine deacetylase [Synechocystis sp.]		

Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15513	Strand	-

Start	11130	End	12617
Name	OJ990701_01.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	3171	End	3470
GI	none	Score	104
Exons	3171..3293, 3173..3295, 3350..3454, 3351..3470		
Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15513	Strand	-
Start	11130	End	12617
Name	OJ990701_01.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	3593	End	5244
GI	none	Score	293
Exons	3593..3802, 3593..3799, 3595..3801, 3645..3803, 4715..4819, 4715..4816, 4720..4821, 5203..5244		
Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15513	Strand	-
Start	11130	End	12617
Name	OJ990701_01.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	5847	End	7640
GI	none	Score	215
Exons	5847..6002, 5856..6002, 7593..7640		
Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15513	Strand	-
Start	11130	End	12617
Name	OJ990701_01.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	5856	End	7634
GI	none	Score	198
Exons	5856..6002, 5867..5995, 7593..7634		
Seq. No.	7362	Seq. ID	OJ990701_01.9919.C4
Gene No.	15513	Strand	-
Start	11130	End	12617
Name	OJ990701_01.9919.C4.o2.np	Method	AAT/NAP
Start	11130	End	12617
GI	5852093	Score	82
Exons	11130..11237, 12583..12617		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15514	Strand	+
Start	136	End	1550
Name	OJ990701_01.9919.C5.o1.gs	Method	GENSCAN
Start	136	End	1550
GI	none	Score	.77
Exons	136..235, 1339..1550		
Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15515	Strand	+
Start	3432	End	5593
Name	OJ990701_01.9919.C5.o2.gs	Method	GENSCAN
Start	3432	End	5593
GI	none	Score	.77
Exons	3432..3492, 3700..3787, 4587..4654, 5466..5593		
Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5

Gene No.	15516	Strand	+
Start	7502	End	15723
Name	OJ990701_01.9919.C5.o1.np	Method	AAT/NAP
Start	7427	End	15723
GI	4210449	Score	707
Exons	7427..7625, 9329..9481, 9564..9962, 10140..10216, 10972..11164, 15677..15723		
GI Descrip.	(AB016471) ARR1 protein [Arabidopsis thaliana]		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15516	Strand	+
Start	7502	End	15723
Name	OJ990701_01.9919.C5.o3.gp	Method	AAT/GAP
Start	7476	End	9846
GI	27227_1.R1084	Score	1108
Exons	7476..7625, 9329..9481, 9564..9846		
GI Descrip.	'4210449/dbj BAA74528 3.0e-53 (AB016471) ARR1 protein [Arabidopsis thaliana]'		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15516	Strand	+
Start	7502	End	15723
Name	OJ990701_01.9919.C5.o3.gs	Method	GENSCAN
Start	7502	End	12294
GI	none	Score	.64
Exons	7502..7625, 9329..9481, 9564..9962, 11102..12294		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15516	Strand	+
Start	7502	End	15723
Name	OJ990701_01.9919.C5.o4.gp	Method	AAT/GAP
Start	11865	End	12906
GI	none	Score	1177
Exons	11865..12317, 12736..12906		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15516	Strand	+
Start	7502	End	15723
Name	OJ990701_01.9919.C5.o5.gp	Method	AAT/GAP
Start	13652	End	13968
GI	none	Score	594
Exons	13652..13968		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15517	Strand	+
Start	16413	End	16675
Name	OJ990701_01.9919.C5.o6.gp	Method	AAT/GAP
Start	16413	End	16675
GI	uC-osroM202036a12a1	Score	390
Exons	16413..16675		
GI Descrip.	'2245136/emb CAB10557.1 3.0e-13 (Z97344) trehalose-6-phosphate synthase like protein [Arabidopsis thaliana]'		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15518	Strand	+
Start	18855	End	19050
Name	OJ990701_01.9919.C5.o5.gs	Method	GENSCAN

Start	18855	End	19050
GI	none	Score	.62
Exons	18855..19050		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15519	Strand	-
Start	13881	End	16917
Name	OJ990701_01.9919.C5.o4.gs	Method	GENSCAN
Start	13881	End	16917
GI	none	Score	.89
Exons	13881..14195, 14288..14561, 14926..15755, 15787..16917		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15519	Strand	-
Start	13881	End	16917
Name	OJ990701_01.9919.C5.o2.np	Method	AAT/NAP
Start	13911	End	16917
GI	6553894	Score	3067
Exons	13911..14195, 14288..14561, 14926..16917		
GI Descrip.	(AC012563) putative trehalose-6-phosphate synthase [Arabidopsis thaliana]		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	7532	End	9700
GI	none	Score	111
Exons	7532..7621, 7534..7593, 9331..9495, 9364..9480, 9557..9700, 9568..9699		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o4.tc	Method	TBLASTX:Cress
Start	7534	End	11157
GI	none	Score	114
Exons	7534..7623, 7535..7624, 9321..9479, 9322..9480, 9367..9468, 9557..9730, 9557..9700, 9565..9723, 9860..9961, 9886..9960, 10139..10216, 10141..10206, 11041..11157		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	9331	End	9486
GI	none	Score	184
Exons	9331..9486, 9363..9485, 9364..9486		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	9391	End	9963
GI	none	Score	139
Exons	9391..9480, 9391..9477, 9429..9485, 9557..9799, 9557..9721, 9565..9813, 9854..9961, 9877..9963		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o8.tm	Method	TBLASTX:Maize
Start	9701	End	9909
GI	none	Score	179
Exons	9701..9907, 9702..9908, 9702..9908, 9703..9909, 9862..9909		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	10962	End	11460
GI	none	Score	479
Exons	10962..11459, 10963..11460, 10965..11450, 10972..11460		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o6.tm	Method	TBLASTX:Maize
Start	11461	End	11691
GI	none	Score	290
Exons	11461..11691, 11462..11689, 11463..11690		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	11692	End	12896
GI	none	Score	40
Exons	11692..11736, 11694..11735, 11740..11862, 11745..11861, 11851..12060, 11855..11929, 11923..12015, 11992..12099, 12000..12101, 12015..12101, 12102..12215, 12109..12315, 12113..12316, 12114..12332, 12276..12359, 12759..12779, 12789..12863, 12814..12870, 12814..12888, 12815..12889, 12822..12896		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o7.tm	Method	TBLASTX:Maize
Start	13887	End	14061
GI	none	Score	86
Exons	13887..14060, 13911..13988, 13930..14061		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	13920	End	14563
GI	none	Score	102
Exons	13920..14012, 13933..14013, 14004..14198, 14011..14199, 14288..14518, 14288..14563, 14322..14552		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-

Start	16958	End	17557
Name	OJ990701_01.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	13920	End	15467
GI	none	Score	117
Exons	13920..14105, 13930..14058, 14055..14198, 14056..14199, 14288..14551, 14288..14569, 14301..14570, 14925..14972, 14926..14973, 14973..15089, 15011..15061, 15063..15467, 15097..15465		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	14064	End	16173
GI	none	Score	69
Exons	14064..14129, 14076..14129, 14083..14130, 14127..14198, 14139..14198, 14288..14572, 14301..14570, 14925..14978, 14926..14973, 14973..15092, 15005..15034, 15093..15209, 15093..15761, 15094..15345, 15378..15470, 15421..15480, 15534..15761, 15646..15765, 15772..16173, 15776..15874, 15778..15897, 15935..16144		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	14288	End	14570
GI	none	Score	129
Exons	14288..14542, 14288..14494, 14319..14570		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	15006	End	15602
GI	none	Score	253
Exons	15006..15092, 15079..15480, 15090..15602, 15541..15594		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	15228	End	15570
GI	none	Score	86
Exons	15228..15497, 15229..15351, 15421..15480, 15525..15569, 15541..15570		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	15468	End	16468
GI	none	Score	71
Exons	15468..15761, 15541..15600, 15652..15765, 15772..15915, 15776..15874, 15934..16344, 15935..16315, 16345..16416, 16420..16467, 16424..16468		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o5.tc	Method	TBLASTX:Cress
Start	15775	End	16197
GI	none	Score	153
Exons	15775..15909, 15913..16047, 16078..16197		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	16174	End	16610
GI	none	Score	188
Exons	16174..16407, 16175..16408, 16420..16497, 16421..16489, 16500..16610, 16501..16593		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o3.tc	Method	TBLASTX:Cress
Start	16198	End	16745
GI	none	Score	240
Exons	16198..16485, 16199..16480, 16491..16664, 16495..16614, 16697..16741, 16701..16745		

Seq. No.	7363	Seq. ID	OJ990701_01.9919.C5
Gene No.	15520	Strand	-
Start	16958	End	17557
Name	OJ990701_01.9919.C5.o7.gp	Method	AAT/GAP
Start	16958	End	17557
GI	none	Score	912
Exons	16958..17409, 17522..17557		

Seq. No.	7364	Seq. ID	OJ990701_01.9919.C6
Gene No.	15521	Strand	+
Start	8640	End	8712
Name	OJ990701_01.9919.C6.o1.gp	Method	AAT/GAP
Start	8640	End	8712
GI	2312838	Score	78
Exons	8640..8712		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	7364	Seq. ID	OJ990701_01.9919.C6
Gene No.	15522	Strand	-
Start	76	End	8854
Name	OJ990701_01.9919.C6.o1.gs	Method	GENSCAN
Start	76	End	8238
GI	none	Score	.61
Exons	76..401, 495..653, 3973..4067, 5154..5224, 6555..6619, 7109..7333, 7592..7673, 7725..7925, 8048..8238		

Seq. No.	7364	Seq. ID	OJ990701_01.9919.C6
Gene No.	15522	Strand	-
Start	76	End	8854
Name	OJ990701_01.9919.C6.o1.np	Method	AAT/NAP

Start	5414	End	8854
GI	6006359	Score	68
Exons	5414..5434, 7159..7259, 8836..8854		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15523	Strand	+
Start	138	End	2112
Name	OJ990701_01.9919.C7.o1.gs	Method	GENSCAN
Start	138	End	2112
GI	none	Score	.77
Exons	138..145, 1412..1451, 1799..1851, 2010..2112		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15524	Strand	+
Start	2524	End	7707
Name	OJ990701_01.9919.C7.o1.np	Method	AAT/NAP
Start	2524	End	7707
GI	3256068	Score	492
Exons	2524..2711, 3012..3194, 4426..4978, 7269..7380, 7690..7707		
GI Descrip.	(Y14068) Heat Shock Factor 3 [Arabidopsis thaliana]		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15524	Strand	+
Start	2524	End	7707
Name	OJ990701_01.9919.C7.o2.gs	Method	GENSCAN
Start	2871	End	5322
GI	none	Score	.56
Exons	2871..3194, 4426..5322		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15525	Strand	+
Start	9281	End	9358
Name	OJ990701_01.9919.C7.o1.gp	Method	AAT/GAP
Start	9281	End	9358
GI	3759960	Score	65
Exons	9281..9358		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15526	Strand	-
Start	6385	End	8320
Name	OJ990701_01.9919.C7.o3.gs	Method	GENSCAN
Start	6385	End	8320
GI	none	Score	.59
Exons	6385..6491, 6574..6676, 6823..6947, 7339..7532, 7901..8016, 8057..8128, 8141..8320		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	2758	End	4664
GI	none	Score	35
Exons	2758..2814, 2816..2845, 2825..2848, 2863..2901, 2865..2900, 2996..3136, 2997..3137, 3135..3194, 3165..3194, 4419..4664, 4426..4662		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	3005	End	4500
GI	none	Score	136
Exons	3005..3136, 3018..3137, 3135..3194, 4426..4500		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	3011	End	4818
GI	none	Score	112
Exons	3011..3112, 3012..3125, 3135..3194, 4423..4503, 4426..4521, 4579..4815, 4612..4818		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o2.tc	Method	TBLASTX:Cress
Start	3017	End	4818
GI	none	Score	140
Exons	3017..3136, 3018..3137, 3135..3194, 3160..3198, 4419..4520, 4426..4521, 4605..4697, 4612..4818, 4627..4818		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	4706	End	5311
GI	none	Score	108
Exons	4706..4795, 4706..4795, 4707..4817, 4708..4818, 4836..4973, 4837..4989, 4989..5069, 5009..5128, 5032..5250, 5081..5143, 5165..5248, 5232..5309, 5240..5311, 5241..5309, 5242..5310		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o4.gs	Method	GENSCAN
Start	10509	End	11548
GI	none	Score	.78
Exons	10509..11017, 11338..11548		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o2.np	Method	AAT/NAP
Start	10596	End	11548
GI	6714299	Score	564
Exons	10596..11548		
GI Descrip.	(AC013354) F15H18.14 [Arabidopsis thaliana]		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o2.tm	Method	TBLASTX:Maize

Start	10605	End	11086
GI	none	Score	81
Exons	10605..10778, 10615..10776, 10788..10991, 10789..10986, 10985..11035, 11030..11086		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	10608	End	11095
GI	none	Score	81
Exons	10608..10781, 10609..10785, 10771..10986, 10788..10991, 10994..11095		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o2.gp	Method	AAT/GAP
Start	10682	End	11003
GI	LIB3475-001-P1-K2-C2	Score	580
Exons	10682..11003		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	10711	End	11548
GI	none	Score	185
Exons	10711..10989, 10725..10988, 10988..11095, 11189..11239, 11342..11419, 11346..11408, 11522..11548		

Seq. No.	7365	Seq. ID	OJ990701_01.9919.C7
Gene No.	15527	Strand	-
Start	10509	End	11548
Name	OJ990701_01.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	11195	End	11548
GI	none	Score	67
Exons	11195..11323, 11201..11263, 11339..11434, 11340..11426, 11480..11548		

Seq. No.	7366	Seq. ID	OJ990701_01.9919.C8
Gene No.	15528	Strand	+
Start	2840	End	3313
Name	OJ990701_01.9919.C8.o2.gp	Method	AAT/GAP
Start	2840	End	3313
GI	38782_1.R1084	Score	829
Exons	2840..3313		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7366	Seq. ID	OJ990701_01.9919.C8
Gene No.	15529	Strand	-
Start	1	End	17553
Name	OJ990701_01.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	1385

GI 6907086 Score 977
 Exons 1..223, 440..678, 736..1385
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 7366 Seq. ID OJ990701_01.9919.C8
 Gene No. 15529 Strand -
 Start 1 End 17553
 Name OJ990701_01.9919.C8.o1.gs Method GENSCAN
 Start 752 End 17553
 GI none Score .57
 Exons 752..1143, 2072..2153, 2329..2485, 2944..3112, 4501..4791,
 4832..4958, 6179..6253, 7278..7304, 7429..7488, 8578..8649,
 8876..9028, 9691..9864, 10976..11156, 12592..12758,
 13822..13992, 14097..14713, 14921..15094, 15894..16023,
 16873..17553

Seq. No. 7366 Seq. ID OJ990701_01.9919.C8
 Gene No. 15529 Strand -
 Start 1 End 17553
 Name OJ990701_01.9919.C8.o1.gp Method AAT/GAP
 Start 1477 End 1655
 GI 5667165 Score 273
 Exons 1477..1655
 GI Descrip. 5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.
 japonica BAC clone 34K24, complete sequence

Seq. No. 7366 Seq. ID OJ990701_01.9919.C8
 Gene No. 15529 Strand -
 Start 1 End 17553
 Name OJ990701_01.9919.C8.o2.np Method AAT/NAP
 Start 2082 End 5563
 GI 4680186 Score 203
 Exons 2082..2506, 3035..3093, 4544..4759, 5485..5563
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 7366 Seq. ID OJ990701_01.9919.C8
 Gene No. 15529 Strand -
 Start 1 End 17553
 Name OJ990701_01.9919.C8.o3.gp Method AAT/GAP
 Start 16445 End 16810
 GI 2311913 Score 686
 Exons 16445..16810

Seq. No. 7366 Seq. ID OJ990701_01.9919.C8
 Gene No. 15529 Strand -
 Start 1 End 17553
 Name OJ990701_01.9919.C8.o1.tm Method TBLASTX:Maize
 Start 16817 End 17259
 GI none Score 175
 Exons 16817..16993, 16819..17259, 16819..17259

Seq. No. 7367 Seq. ID OJ990701_01.9919.C9
 Gene No. 15530 Strand +
 Start 822 End 4660
 Name OJ990701_01.9919.C9.o1.gs Method GENSCAN
 Start 822 End 4660
 GI none Score .91

Exons 822..985, 2218..2644, 3310..3399, 4069..4140, 4337..4660

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15530	Strand	+
Start	822	End	4660
Name	OJ990701_01.9919.C9.o1.np	Method	AAT/NAP
Start	1559	End	2644
GI	4982519	Score	93
Exons	1559..1609, 2405..2644		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o3.gs	Method	GENSCAN
Start	7567	End	23859
GI	none	Score	.64
Exons	7567..7973, 8175..8302, 8403..10178, 10763..11478, 12512..12670, 12840..13149, 13757..13824, 14317..14773, 15585..15988, 16122..16174, 16749..16896, 17041..17148, 17720..17787, 18809..18932, 19030..19176, 19508..19768, 19848..20132, 20759..20902, 21528..21878, 22368..22433, 22533..22673, 23659..23859		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o3.np	Method	AAT/NAP
Start	7798	End	14847
GI	4755186	Score	2549
Exons	7798..7973, 8175..8277, 8396..10178, 10763..11478, 12840..13149, 13757..13824, 14317..14847		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o2.gp	Method	AAT/GAP
Start	8647	End	9066
GI	2427366	Score	778
Exons	8647..9066		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o3.gp	Method	AAT/GAP
Start	12639	End	13077
GI	2310059	Score	496
Exons	12639..12670, 12840..13077		
GI Descrip.	4755186/gb AAD29053.1 AC007018_1 1.0e-20 (AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o4.gp	Method	AAT/GAP
Start	14681	End	15085

GI	3761322	Score	737
Exons	14681..15085		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o4.np	Method	AAT/NAP
Start	15717	End	22519
GI	6382012	Score	653
Exons	15717..15988, 16696..16905, 17041..17148, 17720..17787, 18809..18932, 19030..19176, 19508..19571, 19620..19768, 19848..20158, 21530..21803, 22427..22519		
GI Descrip.	(AB032960) KIAA1134 protein [Homo sapiens]		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o5.gp	Method	AAT/GAP
Start	15753	End	17082
GI	LIB3475-012-P1-K1-B10	Score	826
Exons	15753..15988, 16122..16174, 16749..16896, 17041..17082		
GI Descrip.	'4768831/gb AAD29633.1 AF116827_1 1.0e-10 (AF116827) unknown [Homo sapiens]'		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o6.gp	Method	AAT/GAP
Start	19670	End	20882
GI	uC-osroM202025c06b1	Score	921
Exons	19670..19768, 19848..20132, 20759..20882		
GI Descrip.	'4768831/gb AAD29633.1 AF116827_1 4.0e-20 (AF116827) unknown [Homo sapiens]'		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15531	Strand	+
Start	7567	End	23859
Name	OJ990701_01.9919.C9.o5.np	Method	AAT/NAP
Start	22743	End	22822
GI	5852084	Score	86
Exons	22743..22822		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15532	Strand	-
Start	4952	End	5906
Name	OJ990701_01.9919.C9.o2.np	Method	AAT/NAP
Start	4943	End	5273
GI	6539588	Score	279
Exons	4943..5273		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15532	Strand	-
Start	4952	End	5906
Name	OJ990701_01.9919.C9.o2.gs	Method	GENSCAN
Start	4952	End	5577

GI none
Exons 4952..5214, 5484..5577

Score .57

Seq. No. 7367
Gene No. 15532
Start 4952
Name OJ990701_01.9919.C9.o1.gp
Start 5449
GI 4968598
Exons 5449..5906

Seq. ID OJ990701_01.9919.C9
Strand -
End 5906
Method AAT/GAP
End 5906
Score 765

Seq. No. 7367
Gene No. 15533
Start 21871
Name OJ990701_01.9919.C9.o2.ts
Start 9542
GI none
Exons 9542..9811, 9544..9723, 9560..9772, 9616..9813

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315
Method TBLASTX:Soybean
End 9813
Score 342

Seq. No. 7367
Gene No. 15533
Start 21871
Name OJ990701_01.9919.C9.o3.tm
Start 9797
GI none
Exons 9797..10102, 9798..10142, 9811..10149, 9831..10178, 10761..10808, 10767..10808, 10768..10809

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315
Method TBLASTX:Maize
End 10809
Score 440

Seq. No. 7367
Gene No. 15533
Start 21871
Name OJ990701_01.9919.C9.o1.tw
Start 9965
GI none
Exons 9965..10177, 9968..10048, 9970..10179, 9988..10179, 10761..10865, 10762..10860, 10767..10862

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315
Method TBLASTX:Wheat
End 10865
Score 271

Seq. No. 7367
Gene No. 15533
Start 21871
Name OJ990701_01.9919.C9.o1.tc
Start 10828
GI none
Exons 10828..10890, 10874..10999, 10879..11244, 10879..10992, 10899..11165

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315
Method TBLASTX:Cress
End 11244
Score 37

Seq. No. 7367
Gene No. 15533
Start 21871
Name OJ990701_01.9919.C9.o6.tm
Start 12834
GI none
Exons 12834..13043, 12838..13050

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315
Method TBLASTX:Maize
End 13050
Score 295

Seq. No. 7367
Gene No. 15533
Start 21871

Seq. ID OJ990701_01.9919.C9
Strand -
End 22315

Name	OJ990701_01.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	14311	End	14847
GI	none	Score	300
Exons	14311..14553, 14313..14552, 14316..14561, 14387..14572, 14553..14810, 14554..14847, 14555..14818		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o4.tm	Method	TBLASTX:Maize
Start	15767	End	18876
GI	none	Score	341
Exons	15767..16000, 15773..16000, 16119..16175, 16119..16175, 16740..16895, 16747..16899, 16750..16899, 17032..17148, 17033..17146, 17040..17147, 17041..17148, 17717..17791, 17717..17788, 17719..17790, 18801..18875, 18802..18876, 18806..18874		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o4.ts	Method	TBLASTX:Soybean
Start	15772	End	16910
GI	none	Score	62
Exons	15772..15834, 15779..15973, 15803..15973, 16686..16910, 16687..16899		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o2.tc	Method	TBLASTX:Cress
Start	15784	End	16839
GI	none	Score	210
Exons	15784..15969, 15785..15973, 15791..15985, 16740..16838, 16741..16839		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	18866	End	20135
GI	none	Score	91
Exons	18866..18934, 18867..18935, 19011..19175, 19027..19185, 19505..19576, 19508..19576, 19601..19774, 19605..19766, 19621..19767, 19824..20135, 19847..20125, 19851..20135		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o5.tm	Method	TBLASTX:Maize
Start	18878	End	19742
GI	none	Score	93
Exons	18878..18934, 18879..18935, 18879..18944, 18999..19178, 19003..19176, 19027..19185, 19505..19741, 19506..19742, 19508..19741		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
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Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	19743	End	21869
GI	none	Score	40
Exons	19743..19766, 19744..19767, 19748..19774, 19843..20133, 19847..20134, 19848..20135, 19848..20135, 20753..20902, 20760..20888, 20761..20901, 21471..21740, 21527..21730, 21528..21734, 21743..21868, 21744..21869, 21747..21869		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o5.ts	Method	TBLASTX:Soybean
Start	21528	End	21731
GI	none	Score	197
Exons	21528..21731, 21542..21718		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o3.ts	Method	TBLASTX:Soybean
Start	21806	End	22054
GI	none	Score	309
Exons	21806..21901, 21807..22049, 21840..22034, 21965..22054		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o7.gp	Method	AAT/GAP
Start	21871	End	22315
GI	uC-osrocyp008h03a1	Score	846
Exons	21871..22315		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	7367	Seq. ID	OJ990701_01.9919.C9
Gene No.	15533	Strand	-
Start	21871	End	22315
Name	OJ990701_01.9919.C9.o7.tm	Method	TBLASTX:Maize
Start	21876	End	22146
GI	none	Score	95
Exons	21876..21938, 21878..21913, 21880..21939, 21951..22049, 21977..22045, 21982..22050, 22111..22146		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15534	Strand	+
Start	1	End	3799
Name	OJ990701_01.9919.C10.o1.np	Method	AAT/NAP
Start	1	End	3799
GI	3242708	Score	1325
Exons	1..440, 1448..1512, 2512..3799		
GI Descrip.	(AC003040) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15534	Strand	+
Start	1	End	3799

Name	OJ990701_01.9919.C10.o1.gs	Method	GENSCAN
Start	72	End	721
GI	none	Score	.79
Exons	72..462, 657..721		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15535	Strand	+
Start	5671	End	6648
Name	OJ990701_01.9919.C10.o3.gs	Method	GENSCAN
Start	5671	End	6648
GI	none	Score	.45
Exons	5671..5737, 6479..6648		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15536	Strand	+
Start	7761	End	10497
Name	OJ990701_01.9919.C10.o4.gs	Method	GENSCAN
Start	7761	End	10497
GI	none	Score	.79
Exons	7761..7798, 7988..8158, 8668..8824, 8919..9077, 9310..9541, 9677..9977, 10162..10315, 10390..10497		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o2.tm	Method	TBLASTX:Maize
Start	179	End	1552
GI	none	Score	254
Exons	179..406, 180..446, 1450..1500, 1469..1501, 1505..1552, 1506..1538		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	2660	End	3547
GI	none	Score	243
Exons	2660..2962, 2683..2964, 2981..3151, 2989..3144, 3164..3400, 3247..3318, 3443..3547		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	2669	End	3638
GI	none	Score	179
Exons	2669..2923, 2680..2793, 2915..3064, 2957..3070, 2957..3046, 3053..3151, 3058..3147, 3164..3541, 3175..3501, 3564..3638		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o2.tw	Method	TBLASTX:Wheat
Start	2681	End	2902
GI	none	Score	177
Exons	2681..2902		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	2849	End	3556
GI	none	Score	420
Exons	2849..3160, 2887..3144, 3160..3555, 3167..3556, 3443..3556		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o1.tw	Method	TBLASTX:Wheat
Start	2909	End	3325
GI	none	Score	247
Exons	2909..3151, 3004..3147, 3027..3152, 3028..3153, 3144..3206, 3145..3234, 3176..3325, 3181..3297		

Seq. No.	7368	Seq. ID	OJ990701_01.9919.C10
Gene No.	15537	Strand	-
Start	4411	End	7246
Name	OJ990701_01.9919.C10.o1.gp	Method	AAT/GAP
Start	4411	End	7246
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	4411..4463, 7197..7246		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7369	Seq. ID	OJ990701_01.9919.C11
Gene No.	15538	Strand	-
Start	129	End	254
Name	OJ990701_01.9919.C11.o1.gs	Method	GENSCAN
Start	129	End	254
GI	none	Score	.96
Exons	129..172, 252..254		

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o1.np	Method	AAT/NAP
Start	1	End	3495
GI	4220479	Score	1293
Exons	1..99, 613..686, 934..1015, 1160..1251, 1354..1461, 1568..1654, 1843..1937, 2016..2158, 2260..2288, 2376..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3495		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o1.ts	Method	TBLASTX:Soybean
Start	618	End	2652
GI	none	Score	75
Exons	618..689, 922..1017, 932..1012, 1159..1251, 1160..1252, 1347..1454, 1351..1470, 1352..1462, 1361..1474, 1565..1651, 1565..1663, 1569..1673, 1843..1944, 1844..1960, 1849..1938, 1851..1958, 2014..2154, 2014..2133, 2015..2179, 2015..2152,		

2244..2312, 2260..2289, 2374..2499, 2374..2496, 2376..2513,
2590..2652, 2591..2650

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o1.gs	Method	GENSCAN
Start	621	End	3498
GI	none	Score	.91
Exons	621..686, 934..1015, 1160..1251, 1354..1461, 1843..1937, 2016..2158, 2260..2288, 2376..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3498		

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	1842	End	2462
GI	none	Score	109
Exons	1842..1943, 1844..1960, 1849..1938, 2014..2133, 2015..2179, 2018..2158, 2244..2312, 2260..2289, 2374..2460, 2376..2462, 2376..2462		

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o1.gp	Method	AAT/GAP
Start	2429	End	3779
GI	4715010	Score	1147
Exons	2429..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3779		
GI Descrip.	4220479 1.0e-22 (AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	7370	Seq. ID	OJ990701_01.9919.C12
Gene No.	15539	Strand	-
Start	1	End	3779
Name	OJ990701_01.9919.C12.o2.ts	Method	TBLASTX:Soybean
Start	3085	End	3492
GI	none	Score	116
Exons	3085..3108, 3191..3304, 3192..3305, 3403..3492		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15540	Strand	+
Start	3992	End	6694
Name	OJ990701_01.9919.C13.o2.gs	Method	GENSCAN
Start	3992	End	6202
GI	none	Score	.82
Exons	3992..4162, 5507..6202		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15540	Strand	+
Start	3992	End	6694
Name	OJ990701_01.9919.C13.o1.np	Method	AAT/NAP
Start	4672	End	6694
GI	3746069	Score	608
Exons	4672..5070, 5214..6694		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase		

[Arabidopsis thaliana]

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15541	Strand	-
Start	43	End	2571
Name	OJ990701_01.9919.C13.o1.gs	Method	GENSCAN
Start	43	End	2571
GI	none	Score	.4
Exons	43..487, 986..1023, 2187..2396, 2467..2571		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15542	Strand	
Start	4669	End	5023
Name	OJ990701_01.9919.C13.o3.tw	Method	TBLASTX:Wheat
Start	4669	End	5023
GI	none	Score	128
Exons	4669..4863, 4671..4886, 4773..5018, 4907..5023		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15543	Strand	
Start	5019	End	5788
Name	OJ990701_01.9919.C13.o2.tm	Method	TBLASTX:Maize
Start	5019	End	5788
GI	none	Score	54
Exons	5019..5060, 5082..5492, 5513..5734, 5726..5788, 5728..5787		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15543	Strand	
Start	5019	End	5788
Name	OJ990701_01.9919.C13.o1.tw	Method	TBLASTX:Wheat
Start	5238	End	5650
GI	none	Score	210
Exons	5238..5504, 5498..5650, 5521..5634		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15544	Strand	
Start	5927	End	6682
Name	OJ990701_01.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	5927	End	6682
GI	none	Score	249
Exons	5927..6172, 5950..6153, 6059..6325, 6153..6284, 6227..6682, 6283..6369, 6409..6549		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15544	Strand	
Start	5927	End	6682
Name	OJ990701_01.9919.C13.o2.tw	Method	TBLASTX:Wheat
Start	5981	End	6292
GI	none	Score	211
Exons	5981..6154, 6001..6156, 6153..6212, 6159..6209, 6254..6292		

Seq. No.	7371	Seq. ID	OJ990701_01.9919.C13
Gene No.	15544	Strand	
Start	5927	End	6682
Name	OJ990701_01.9919.C13.o4.tw	Method	TBLASTX:Wheat
Start	6293	End	6565
GI	none	Score	96

Exons 6293..6403, 6410..6565

Seq. No.	7372	Seq. ID	OJ990701_01.9919.C14
Gene No.	15545	Strand	+
Start	164	End	342
Name	OJ990701_01.9919.C14.o1.gs	Method	GENSCAN
Start	164	End	342
GI	none	Score	.66
Exons	164..342		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15546	Strand	+
Start	1	End	9676
Name	OJ990701_03.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	9676
GI	4868120	Score	536
Exons	1..375, 3311..3436, 4013..4121, 4201..4313, 4400..4581, 5106..5481, 5773..5970, 9456..9676		
GI Descrip.	(AF116556) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15546	Strand	+
Start	1	End	9676
Name	OJ990701_03.9919.C2.o1.gs	Method	GENSCAN
Start	377	End	7782
GI	none	Score	.77
Exons	377..1946, 2980..3436, 4013..4121, 4201..4343, 4400..4581, 5106..5568, 5959..6267, 6997..7074, 7130..7164, 7728..7782		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15546	Strand	+
Start	1	End	9676
Name	OJ990701_03.9919.C2.o1.gp	Method	AAT/GAP
Start	1051	End	1254
GI	none	Score	379
Exons	1051..1254		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15547	Strand	+
Start	9631	End	12336
Name	OJ990701_03.9919.C2.o2.gs	Method	GENSCAN
Start	9631	End	12336
GI	none	Score	.4
Exons	9631..9764, 9771..9963, 10520..10577, 11153..11239, 11289..11622, 11656..11860, 12286..12336		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15548	Strand	+
Start	14693	End	15487
Name	OJ990701_03.9919.C2.o3.gs	Method	GENSCAN
Start	14693	End	15487
GI	none	Score	1
Exons	14693..15487		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15549	Strand	+
Start	23076	End	26313

Name	OJ990701_03.9919.C2.o2.np	Method	AAT/NAP
Start	23076	End	26310
GI	6907089	Score	4122
Exons	23076..24337, 24432..26310		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15549	Strand	+
Start	23076	End	26313
Name	OJ990701_03.9919.C2.o5.gs	Method	GENSCAN
Start	23076	End	26313
GI	none	Score	.92
Exons	23076..24141, 24169..24337, 24432..26313		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15550	Strand	-
Start	7933	End	8137
Name	OJ990701_03.9919.C2.o2.gp	Method	AAT/GAP
Start	7933	End	8137
GI	none	Score	306
Exons	7933..8137		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o9.tm	Method	TBLASTX:Maize
Start	1477	End	1919
GI	none	Score	166
Exons	1477..1692, 1477..1656, 1479..1700, 1703..1750, 1759..1830, 1798..1917, 1829..1918, 1860..1919		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o5.tm	Method	TBLASTX:Maize
Start	2978	End	3256
GI	none	Score	183
Exons	2978..3172, 2980..3171, 2981..3172, 3178..3255, 3178..3255, 3179..3256, 3179..3256		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o7.tm	Method	TBLASTX:Maize
Start	3299	End	4588
GI	none	Score	125
Exons	3299..3439, 3304..3435, 3363..3452, 3368..3439, 4028..4123, 4039..4176, 4218..4313, 4235..4309, 4331..4498, 4394..4483, 4502..4588, 4504..4587		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	5122	End	5758
GI	none	Score	38
Exons	5122..5151, 5124..5147, 5185..5391, 5188..5388, 5237..5407,		

5488..5565, 5493..5564, 5649..5756, 5654..5758, 5663..5755

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o6.tm	Method	TBLASTX:Maize
Start	5944	End	7100
GI	none	Score	167
Exons	5944..6225, 5954..6226, 6994..7080, 7080..7100		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o8.tm	Method	TBLASTX:Maize
Start	15329	End	15469
GI	none	Score	220
Exons	15329..15469, 15337..15468, 15347..15469		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o10.tm	Method	TBLASTX:Maize
Start	26932	End	27102
GI	none	Score	125
Exons	26932..27102, 26933..27097		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o3.np	Method	AAT/NAP
Start	26962	End	32604
GI	6498441	Score	6739
Exons	26962..27243, 27337..28733, 28905..29376, 29569..29820, 29995..30129, 30313..30686, 30750..31213, 31544..32604		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o7.tw	Method	TBLASTX:Wheat
Start	26971	End	27549
GI	none	Score	83
Exons	26971..27096, 26975..27097, 27235..27525, 27289..27549, 27290..27547		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o4.tw	Method	TBLASTX:Wheat
Start	27554	End	27955
GI	none	Score	157
Exons	27554..27853, 27574..27954, 27899..27955		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-

Start 26962
 Name OJ990701_03.9919.C2.o3.tm
 Start 27769
 GI none
 Exons 27769..28092, 27782..28063

End 32604
 Method TBLASTX:Maize
 End 28092
 Score 177

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o5.tw
 Start 28599
 GI none
 Exons 28599..28748, 28600..28737, 28795..28968, 28809..29057, 28809..29033

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Wheat
 End 29057
 Score 87

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o1.ts
 Start 29658
 GI none
 Exons 29658..30029, 29869..30012

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Soybean
 End 30029
 Score 90

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o2.tw
 Start 29683
 GI none
 Exons 29683..30102, 29688..30107

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Wheat
 End 30107
 Score 330

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o4.tm
 Start 29781
 GI none
 Exons 29781..30164, 29800..30165

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Maize
 End 30165
 Score 221

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o2.tm
 Start 30192
 GI none
 Exons 30192..30482, 30192..30548, 30202..30513

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Maize
 End 30548
 Score 113

Seq. No. 7373
 Gene No. 15551
 Start 26962
 Name OJ990701_03.9919.C2.o1.tw
 Start 30216
 GI none
 Exons 30216..30677, 30217..30678, 30236..30679

Seq. ID OJ990701_03.9919.C2
 Strand -
 End 32604
 Method TBLASTX:Wheat
 End 30679
 Score 404

Seq. No. 7373
 Gene No. 15551

Seq. ID OJ990701_03.9919.C2
 Strand -

Start	26962	End	32604
Name	OJ990701_03.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	30273	End	30638
GI	none	Score	117
Exons	30273..30407, 30414..30638		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o3.tw	Method	TBLASTX:Wheat
Start	30846	End	31329
GI	none	Score	72
Exons	30846..31328, 30870..31064, 31033..31134, 31156..31329		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o6.tw	Method	TBLASTX:Wheat
Start	32067	End	32459
GI	none	Score	87
Exons	32067..32324, 32101..32340, 32307..32405, 32308..32400, 32412..32459		

Seq. No.	7373	Seq. ID	OJ990701_03.9919.C2
Gene No.	15551	Strand	-
Start	26962	End	32604
Name	OJ990701_03.9919.C2.o11.tm	Method	TBLASTX:Maize
Start	32169	End	32454
GI	none	Score	104
Exons	32169..32417, 32170..32454		

Seq. No.	7374	Seq. ID	OJ990701_03.9919.C3
Gene No.	15552	Strand	-
Start	1	End	1154
Name	OJ990701_03.9919.C3.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	5042454	Score	998
Exons	1..521, 577..683, 1015..1154		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	7374	Seq. ID	OJ990701_03.9919.C3
Gene No.	15552	Strand	-
Start	1	End	1154
Name	OJ990701_03.9919.C3.o1.gs	Method	GENSCAN
Start	131	End	1096
GI	none	Score	.57
Exons	131..521, 577..696, 1019..1096		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15553	Strand	+
Start	229	End	1958
Name	OJ990701_03.9919.C4.o1.gs	Method	GENSCAN
Start	229	End	1958
GI	none	Score	.64
Exons	229..308, 340..493, 693..850, 1807..1958		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
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Gene No.	15554	Strand	+
Start	13720	End	16698
Name	OJ990701_03.9919.C4.o2.np	Method	AAT/NAP
Start	13720	End	16698
GI	81286	Score	138
Exons	13720..13747, 14258..14412, 15678..15908, 16260..16383, 16623..16698		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15555	Strand	+
Start	18584	End	25607
Name	OJ990701_03.9919.C4.o4.gs	Method	GENSCAN
Start	18584	End	25607
GI	none	Score	.85
Exons	18584..18713, 20871..20969, 22106..22352, 22667..22720, 23303..23331, 24366..24527, 25057..25185, 25213..25607		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15556	Strand	+
Start	37231	End	38045
Name	OJ990701_03.9919.C4.o6.gs	Method	GENSCAN
Start	37231	End	38045
GI	none	Score	.8
Exons	37231..37641, 37647..38045		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o5.np	Method	AAT/NAP
Start	48561	End	49873
GI	6815099	Score	98
Exons	48561..48583, 49755..49873		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o6.np	Method	AAT/NAP
Start	49332	End	59809
GI	4160292	Score	2383
Exons	49332..49376, 50813..50893, 51023..51096, 51585..51796, 52323..52444, 53014..53099, 53648..53742, 54041..54122, 54537..54643, 54830..54860, 55405..55522, 55818..55871, 57115..57224, 57332..57434, 57653..57751, 57935..58045, 58155..58390, 59028..59265, 59385..59463, 59577..59809		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o6.gp	Method	AAT/GAP
Start	53057	End	55539
GI	uC-osflcyp013h11b1	Score	838
Exons	53057..53099, 53648..53742, 54041..54122, 54537..54643, 54830..54860, 55405..55539		

GI Descrip. '4160292/emb|CAA77084| 1.0e-59 (Y18209)
alpha-N-acetylglucosaminidase [Nicotiana tabacum]'

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o10.gs	Method	GENSCAN
Start	53083	End	64612
GI	none	Score	.5
Exons	53083..53099, 54537..54643, 54830..54860, 55405..55522, 55821..55871, 57115..57139, 57295..57434, 57653..57751, 58155..58261, 59028..59265, 59385..59408, 59537..59762, 60660..60781, 62491..62919, 63017..63106, 63637..63763, 64506..64612		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o7.gp	Method	AAT/GAP
Start	55835	End	57964
GI	2310418	Score	663
Exons	55835..55871, 57115..57224, 57332..57434, 57653..57751, 57935..57964		

GI Descrip. 4160292/emb|CAA77084| 1.0e-59 (Y18209)
alpha-N-acetylglucosaminidase [Nicotiana tabacum]

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o8.gp	Method	AAT/GAP
Start	57957	End	59137
GI	LIB3433-018-Q6-K6-A8	Score	786
Exons	57957..58045, 58155..58390, 59028..59137		

GI Descrip. '4160292/emb|CAA77084| 2.0e-41 (Y18209)
alpha-N-acetylglucosaminidase [Nicotiana tabacum]'

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15557	Strand	+
Start	48561	End	64612
Name	OJ990701_03.9919.C4.o9.gp	Method	AAT/GAP
Start	59187	End	60018
GI	15426_1.R1084	Score	1099
Exons	59187..59265, 59385..59463, 59577..60018		

GI Descrip. '4160292/emb|CAA77084| 3.0e-37 (Y18209)
alpha-N-acetylglucosaminidase [Nicotiana tabacum]'

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15558	Strand	+
Start	64998	End	71066
Name	OJ990701_03.9919.C4.o11.gs	Method	GENSCAN
Start	64998	End	71066
GI	none	Score	.61
Exons	64998..65210, 67198..67398, 67455..67586, 67710..67784, 68577..68638, 69565..69712, 69961..70318, 70442..70642, 70759..71066		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
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Gene No.	15559	Strand	-
Start	8053	End	12204
Name	OJ990701_03.9919.C4.o1.np	Method	AAT/NAP
Start	8053	End	12204
GI	4234852	Score	4375
Exons	8053..12001, 12044..12204		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15560	Strand	-
Start	14206	End	16686
Name	OJ990701_03.9919.C4.o3.gs	Method	GENSCAN
Start	14206	End	16686
GI	none	Score	.61
Exons	14206..14609, 15740..16148, 16172..16655, 16664..16686		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15560	Strand	-
Start	14206	End	16686
Name	OJ990701_03.9919.C4.o3.np	Method	AAT/NAP
Start	15282	End	16612
GI	4220525	Score	331
Exons	15282..15339, 15778..16612		
GI Descrip.	(AL035356) putative tRNA isopentenyltransferase [Arabidopsis thaliana]		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o2.gp	Method	AAT/GAP
Start	26435	End	26993
GI	17436_1.R1084	Score	1066
Exons	26435..26993		
GI Descrip.	'5880464/gb AAD54660.1 AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o5.gs	Method	GENSCAN
Start	26872	End	36347
GI	none	Score	.88
Exons	26872..26985, 27830..28074, 28569..28770, 28857..28955, 29090..29146, 29871..29996, 30076..30216, 31377..31505, 32332..32538, 32699..32767, 33798..33956, 34048..34151, 34232..34385, 34465..34624, 35447..35579, 35660..35837, 35916..36152, 36294..36347		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o4.np	Method	AAT/NAP
Start	26875	End	36663
GI	5880464	Score	2665
Exons	26875..26985, 27830..28074, 28515..28778, 29086..29146, 29871..29996, 30076..30223, 30442..30593, 31377..31505, 32401..32538, 32699..32767, 32843..32911, 33798..33956,		

34048..34151, 34232..34385, 34465..34624, 35447..35579,
35660..35837, 35916..36152, 36238..36309, 36399..36498,
36608..36663

GI Descrip. (AF088901) actin bundling protein ABP135 [Lilium longiflorum]

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o3.gp	Method	AAT/GAP
Start	27939	End	30348
GI	30312_1.R1084	Score	1504
Exons	27939..28074, 28548..28770, 28857..28955, 29090..29146, 29871..29996, 30076..30216, 30293..30348		

GI Descrip. '5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o4.gp	Method	AAT/GAP
Start	30562	End	32551
GI	426363	Score	552
Exons	30562..30593, 31377..31505, 32401..32551		

GI Descrip. 5880464/gb|AAD54660.1|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15561	Strand	-
Start	26872	End	36663
Name	OJ990701_03.9919.C4.o5.gp	Method	AAT/GAP
Start	33824	End	35756
GI	34019_1.R1084	Score	1423
Exons	33824..33956, 34048..34151, 34232..34385, 34465..34624, 35447..35579, 35660..35756		

GI Descrip. '5880464/gb|AAD54660.1|AF088901_1 1.0e-95 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]'

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15562	Strand	-
Start	42403	End	45504
Name	OJ990701_03.9919.C4.o7.gs	Method	GENSCAN
Start	42403	End	45504
GI	none	Score	.5
Exons	42403..42783, 43227..43259, 45247..45504		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o9.tm	Method	TBLASTX:Maize
Start	1332	End	23596
GI	none	Score	72
Exons	1332..1475, 1333..1476, 1494..1730, 23459..23596		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o4.tw	Method	TBLASTX:Wheat

Start	1407	End	23662
GI	none	Score	73
Exons	1407..1484, 1557..1823, 1561..1812, 23534..23611, 23615..23662		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o12.tm	Method	TBLASTX:Maize
Start	8092	End	8550
GI	none	Score	55
Exons	8092..8283, 8332..8508, 8491..8550		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	8104	End	8503
GI	none	Score	118
Exons	8104..8499, 8270..8503		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o5.ts	Method	TBLASTX:Soybean
Start	8107	End	8673
GI	none	Score	131
Exons	8107..8298, 8287..8478, 8491..8673		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	8563	End	8994
GI	none	Score	126
Exons	8563..8859, 8564..8719, 8833..8994		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	8659	End	9439
GI	none	Score	154
Exons	8659..9108, 8663..9109, 9085..9438, 9092..9439, 9094..9438		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o7.tm	Method	TBLASTX:Maize
Start	8995	End	9438
GI	none	Score	139
Exons	8995..9096, 9130..9438, 9131..9421		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	9130	End	9567

GI	5509260	Score	44
Exons	9130..9567, 9131..9163, 9206..9478		
GI Descrip.	-		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	9220	End	9480
GI	none	Score	116
Exons	9220..9480, 9242..9478		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o7.ts	Method	TBLASTX:Soybean
Start	10078	End	10450
GI	none	Score	67
Exons	10078..10251, 10255..10446, 10283..10450		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	10081	End	10743
GI	none	Score	35
Exons	10081..10179, 10106..10180, 10159..10464, 10181..10441, 10504..10743, 10505..10558		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o3.tc	Method	TBLASTX:Cress
Start	10084	End	10464
GI	none	Score	123
Exons	10084..10251, 10264..10464		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o11.tm	Method	TBLASTX:Maize
Start	10270	End	10728
GI	none	Score	85
Exons	10270..10455, 10292..10453, 10504..10728		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	10451	End	10887
GI	none	Score	88
Exons	10451..10540, 10453..10692, 10468..10647, 10696..10719, 10696..10797, 10822..10887		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100

Name	OJ990701_03.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	11101	End	12112
GI	none	Score	50
Exons	11101..11166, 11207..11257, 11362..11493, 11381..11422, 11503..12111, 11534..12112		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o9.ts	Method	TBLASTX:Soybean
Start	16376	End	16607
GI	none	Score	75
Exons	16376..16606, 16416..16607		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	26694	End	32746
GI	none	Score	161
Exons	26694..26708, 26842..26988, 26843..26986, 26870..26995, 27823..27951, 27825..27950, 27830..27970, 27831..27968, 28549..28587, 28672..28752, 28699..28755, 28828..28953, 28857..28973, 28861..28962, 29090..29146, 29091..29147, 29868..29999, 29871..29999, 29876..30004, 30076..30222, 30077..30217, 30435..30488, 30444..30488, 30445..30489, 30481..30591, 30482..30589, 30483..30599, 31377..31493, 31377..31505, 31378..31494, 32388..32540, 32398..32547, 32401..32547, 32438..32548, 32699..32746		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	26872	End	36646
GI	none	Score	90
Exons	26872..26988, 26879..26980, 27830..27901, 28663..28764, 29868..29999, 29869..29997, 29886..29999, 30076..30219, 30077..30217, 30435..30599, 30439..30600, 31377..31481, 31377..31505, 31378..31482, 32398..32547, 32699..32767, 32700..32768, 32846..32917, 33796..33963, 33797..33964, 33798..33959, 33804..33959, 34033..34104, 34284..34394, 34284..34385, 34465..34647, 34505..34648, 35449..35592, 35450..35581, 35657..35839, 35661..35840, 35662..35838, 35906..36154, 35913..36182, 35913..36191, 35914..36192, 36238..36348, 36242..36292, 36394..36498, 36399..36497, 36402..36491, 36607..36645, 36608..36646		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	28684	End	30229
GI	none	Score	108
Exons	28684..28752, 29868..29999, 29887..29997, 30073..30222, 30076..30222, 30077..30229		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o8.ts	Method	TBLASTX:Soybean
Start	32482	End	36491
GI	none	Score	75
Exons	32482..32547, 32699..32767, 32703..32768, 32846..32923, 33797..33958, 33797..33958, 33801..33959, 34033..34086, 36402..36491		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	33794	End	36491
GI	none	Score	153
Exons	33794..33961, 33795..33962, 33796..33957, 33797..33958, 33801..33959, 34036..34152, 34057..34149, 34232..34273, 34233..34268, 34278..34346, 34282..34338, 36402..36491		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	35729	End	36280
GI	none	Score	122
Exons	35729..35839, 35730..35840, 35731..35838, 35877..35942, 35913..36170, 35913..36173, 36232..36279, 36233..36280		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	35917	End	36159
GI	none	Score	156
Exons	35917..36159, 35919..36155		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o9.gs	Method	GENSCAN
Start	50552	End	51843
GI	none	Score	.93
Exons	50552..51027, 51789..51843		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15563	Strand	-
Start	50552	End	53100
Name	OJ990701_03.9919.C4.o8.tm	Method	TBLASTX:Maize
Start	51585	End	53100
GI	none	Score	273
Exons	51585..51794, 51586..51804, 52312..52440, 52325..52444, 52328..52444, 53005..53100, 53034..53099		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15564	Strand	-
Start	55448	End	57706

Name	OJ990701_03.9919.C4.o10.tm	Method	TBLASTX:Maize
Start	55448	End	57434
GI	none	Score	89
Exons	55448..55549, 57112..57234, 57114..57233, 57311..57433, 57336..57434		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15564	Strand	
Start	55448	End	57706
Name	OJ990701_03.9919.C4.o6.ts	Method	TBLASTX:Soybean
Start	57138	End	57706
GI	none	Score	138
Exons	57138..57215, 57139..57234, 57331..57435, 57332..57436, 57333..57437, 57652..57705, 57653..57706		

Seq. No.	7375	Seq. ID	OJ990701_03.9919.C4
Gene No.	15565	Strand	
Start	57702	End	59808
Name	OJ990701_03.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	57702	End	59808
GI	none	Score	70
Exons	57702..57752, 57923..58045, 57932..58045, 57933..58046, 57934..58047, 58127..58393, 58129..58395, 58149..58400, 58153..58395, 58160..58399, 59008..59277, 59010..59264, 59358..59444, 59382..59468, 59383..59469, 59383..59469, 59575..59808, 59576..59779, 59578..59808		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	733
GI	6706412	Score	566
Exons	1..222, 308..376, 469..568, 678..733		
GI Descrip.	(AL133248) villin 3 fragment [Arabidopsis thaliana]		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	350
GI	none	Score	271
Exons	1..240, 1..243, 302..349, 303..350		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	734
GI	none	Score	175
Exons	1..225, 1..261, 158..262, 308..418, 312..362, 319..417, 464..568, 469..567, 472..561, 677..733, 678..734		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o1.ts	Method	TBLASTX:Soybean

Start	13	End	224
GI	none	Score	109
Exons	13..222, 30..173, 33..224, 65..223		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	306	End	749
GI	none	Score	45
Exons	306..362, 308..418, 436..561, 464..568, 469..567, 680..736, 683..718, 687..749		

Seq. No.	7376	Seq. ID	OJ990701_03.9919.C5
Gene No.	15566	Strand	-
Start	1	End	791
Name	OJ990701_03.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	359	End	791
GI	none	Score	37
Exons	359..388, 359..394, 404..511, 454..573, 461..577, 469..567, 681..716, 681..707, 683..787, 717..791		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+
Start	1	End	684
Name	OJ990701_03.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	684
GI	4234854	Score	637
Exons	1..147, 193..684		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+
Start	1	End	684
Name	OJ990701_03.9919.C6.o1.gs	Method	GENSCAN
Start	88	End	657
GI	none	Score	.98
Exons	88..657		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+
Start	1	End	684
Name	OJ990701_03.9919.C6.o1.tw	Method	TBLASTX:Wheat
Start	198	End	629
GI	none	Score	158
Exons	198..440, 259..444, 469..627, 474..629		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+
Start	1	End	684
Name	OJ990701_03.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	328	End	636
GI	none	Score	276
Exons	328..636, 336..635		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+

Start	1	End	684
Name	OJ990701_03.9919.C6.o1.ts	Method	TBLASTX:Soybean
Start	328	End	684
GI	5509260	Score	312
Exons	328..684, 417..683, 487..684		
GI Descrip.	-		

Seq. No.	7377	Seq. ID	OJ990701_03.9919.C6
Gene No.	15567	Strand	+
Start	1	End	684
Name	OJ990701_03.9919.C6.o1.tc	Method	TBLASTX:Cress
Start	415	End	675
GI	none	Score	249
Exons	415..675, 417..653		

Seq. No.	7378	Seq. ID	OJ990701_08.9919.C2
Gene No.	15568	Strand	-
Start	1	End	318
Name	OJ990701_08.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	290
GI	100484	Score	75
Exons	1..290		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	7378	Seq. ID	OJ990701_08.9919.C2
Gene No.	15568	Strand	-
Start	1	End	318
Name	OJ990701_08.9919.C2.o1.gs	Method	GENSCAN
Start	23	End	318
GI	none	Score	.51
Exons	23..318		

Seq. No.	7379	Seq. ID	OJ990701_08.9919.C3
Gene No.	15569	Strand	-
Start	1767	End	2306
Name	OJ990701_08.9919.C3.o1.gp	Method	AAT/GAP
Start	1675	End	2306
GI	306 5.R1084	Score	1182
Exons	1675..2306		
GI Descrip.	'548660/sp Q01883 RA17_ORYSA 1.0e-73 SEED ALLERGENIC PROTEIN RA17 PRECURSOR >gi_100691_pir_S21157 seed allergen RA17 - rice >gi_2130064_pir_JC4887 allergenic protein - rice >gi_218195_dbj_BAA01997_ (D11431) allergenic protein [Oryza sativa] >gi_311893_emb_CAA46983_ (X66257) major allergenic protein (RAP) [Oryza sativa]'		

Seq. No.	7379	Seq. ID	OJ990701_08.9919.C3
Gene No.	15569	Strand	-
Start	1767	End	2306
Name	OJ990701_08.9919.C3.o1.gs	Method	GENSCAN
Start	1767	End	2258
GI	none	Score	.97
Exons	1767..2258		

Seq. No.	7379	Seq. ID	OJ990701_08.9919.C3
Gene No.	15569	Strand	-
Start	1767	End	2306

Name	OJ990701_08.9919.C3.o1.np	Method	AAT/NAP
Start	1770	End	2258
GI	548660	Score	870
Exons	1770..2258		
GI Descrip.	SEED ALLERGENIC PROTEIN RA17 PRECURSOR gi 100691 pir S21157 seed allergen RA17 - rice gi 2130064 pir JC4887 allergenic protein - rice gi 218195 dbj BAA01997.1 (D11431) allergenic protein [Oryza sativa] gi 311893 emb CAA46983 (X66257) major allergenic protein (RAP) [Oryza sativa]		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
Gene No.	15570	Strand	+
Start	1713	End	2435
Name	OJ990701_08.9919.C4.o2.gs	Method	GENSCAN
Start	1713	End	2435
GI	none	Score	.83
Exons	1713..1882, 1982..2435		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
Gene No.	15571	Strand	+
Start	2487	End	2861
Name	OJ990701_08.9919.C4.o2.gp	Method	AAT/GAP
Start	2487	End	2861
GI	none	Score	545
Exons	2487..2861		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
Gene No.	15572	Strand	-
Start	1	End	424
Name	OJ990701_08.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	372
GI	548671	Score	664
Exons	1..372		
GI Descrip.	SEED ALLERGENIC PROTEIN RAG2 PRECURSOR gi 419801 pir S31082 seed allergen RAG2 - rice gi 218201 dbj BAA02000 (D11434) allergenic protein [Oryza sativa]		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
Gene No.	15572	Strand	-
Start	1	End	424
Name	OJ990701_08.9919.C4.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	306_2.R1084	Score	787
Exons	1..424		
GI Descrip.	'2118427 pir S59922 1.0e-82 allergen RA14B precursor - rice >gi_1398913_dbj_BAA07710_ (D42139) allergenic protein [Oryza sativa]'		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
Gene No.	15572	Strand	-
Start	1	End	424
Name	OJ990701_08.9919.C4.o1.gs	Method	GENSCAN
Start	13	End	372
GI	none	Score	.99
Exons	13..372		

Seq. No.	7380	Seq. ID	OJ990701_08.9919.C4
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Gene No.	15573	Strand	-
Start	2508	End	2862
Name	OJ990701_08.9919.C4.o3.gp	Method	AAT/GAP
Start	2508	End	2862
GI	none	Score	543
Exons	2508..2862		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15574	Strand	+
Start	116	End	3689
Name	OJ990701_08.9919.C5.o1.gs	Method	GENSCAN
Start	116	End	3689
GI	none	Score	.93
Exons	116..932, 1030..2147, 2233..3129, 3459..3689		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o1.np	Method	AAT/NAP
Start	4929	End	8951
GI	4378066	Score	3152
Exons	4929..8791, 8929..8951		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	4938	End	5534
GI	none	Score	74
Exons	4938..5063, 5226..5390, 5401..5487, 5410..5499, 5418..5528, 5430..5534		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	5256	End	5492
GI	none	Score	133
Exons	5256..5492, 5293..5475		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	5508	End	5855
GI	none	Score	89
Exons	5508..5732, 5733..5855		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	5526	End	5693
GI	none	Score	139

Exons 5526..5693, 5548..5691

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	5655	End	6044
GI	none	Score	58
Exons	5655..6044, 5734..5817, 5881..6003		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	5694	End	6152
GI	none	Score	165
Exons	5694..6152, 5695..6048		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	6346	End	6761
GI	none	Score	69
Exons	6346..6564, 6348..6758, 6646..6753, 6660..6761		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o7.tw	Method	TBLASTX:Wheat
Start	6762	End	7029
GI	none	Score	57
Exons	6762..6950, 6763..6945, 6957..7028, 6958..7029		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	6948	End	7376
GI	none	Score	131
Exons	6948..7376, 7009..7371		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	7035	End	7454
GI	none	Score	56
Exons	7035..7454, 7062..7148, 7141..7449		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	7128	End	7512
GI	none	Score	91
Exons	7128..7511, 7131..7451, 7141..7512		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	7539	End	7890
GI	none	Score	174
Exons	7539..7886, 7539..7826, 7552..7887, 7552..7890		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	7569	End	7998
GI	none	Score	236
Exons	7569..7994, 7570..7998		

Seq. No.	7381	Seq. ID	OJ990701_08.9919.C5
Gene No.	15575	Strand	-
Start	4929	End	8951
Name	OJ990701_08.9919.C5.o5.tw	Method	TBLASTX:Wheat
Start	8221	End	8567
GI	none	Score	44
Exons	8221..8262, 8229..8450, 8256..8411, 8484..8567		

Seq. No.	7382	Seq. ID	OJ990701_08.9919.C6
Gene No.	15576	Strand	-
Start	614	End	737
Name	OJ990701_08.9919.C6.o1.np	Method	AAT/NAP
Start	614	End	737
GI	4544372	Score	85
Exons	614..737		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7383	Seq. ID	OJ990701_08.9919.C7
Gene No.	15577	Strand	+
Start	76	End	188
Name	OJ990701_08.9919.C7.o1.gs	Method	GENSCAN
Start	76	End	188
GI	none	Score	.71
Exons	76..188		

Seq. No.	7384	Seq. ID	OJ990701_08.9919.C9
Gene No.	15578	Strand	-
Start	183	End	326
Name	OJ990701_08.9919.C9.o1.gs	Method	GENSCAN
Start	183	End	326
GI	none	Score	.5
Exons	183..326		

Seq. No.	7385	Seq. ID	OJ990701_08.9919.C10
Gene No.	15579	Strand	+
Start	786	End	1582
Name	OJ990701_08.9919.C10.o1.gp	Method	AAT/GAP
Start	786	End	1582
GI	306_4.R1084	Score	1404

Exons 786..812, 864..1582
GI Descrip. '2335106 6.0e-51 (AC002339) salt inducible protein-like
[Arabidopsis thaliana]'

Seq. No.	7385	Seq. ID	OJ990701_08.9919.C10
Gene No.	15580	Strand	-
Start	992	End	1465
Name	OJ990701_08.9919.C10.o2.gs	Method	GENSCAN
Start	992	End	1465
GI	none	Score	.89
Exons	992..1465		

Seq. No.	7385	Seq. ID	OJ990701_08.9919.C10
Gene No.	15580	Strand	-
Start	992	End	1465
Name	OJ990701_08.9919.C10.o1.np	Method	AAT/NAP
Start	995	End	1465
GI	2118430	Score	826
Exons	995..1465		
GI Descrip.	allergen RA16 precursor - rice gi 1398916 dbj BAA07712 (D42141) allergenic protein [Oryza sativa]		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15581	Strand	+
Start	722	End	5593
Name	OJ990701_08.9919.C12.o1.gs	Method	GENSCAN
Start	722	End	5593
GI	none	Score	.4
Exons	722..1082, 1949..2104, 2459..2637, 2805..3294, 3776..4105, 5490..5593		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15581	Strand	+
Start	722	End	5593
Name	OJ990701_08.9919.C12.o1.np	Method	AAT/NAP
Start	722	End	4161
GI	4680203	Score	2755
Exons	722..2394, 2548..2778, 3030..3482, 3641..4161		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15581	Strand	+
Start	722	End	5593
Name	OJ990701_08.9919.C12.o1.gp	Method	AAT/GAP
Start	726	End	4815
GI	342_1.R1084	Score	5465
Exons	726..3614, 3779..4263, 4360..4815		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15582	Strand	+
Start	8576	End	10350
Name	OJ990701_08.9919.C12.o3.gs	Method	GENSCAN
Start	8576	End	10350
GI	none	Score	.5
Exons	8576..8900, 8977..9250, 9355..9528, 9622..9732, 9849..9888,		

9986..10084, 10168..10350

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15583	Strand	+
Start	21060	End	24430
Name	OJ990701_08.9919.C12.o6.gs	Method	GENSCAN
Start	21060	End	24430
GI	none	Score	.74
Exons	21060..21530, 21558..21749, 21822..21897, 21986..22971, 23067..23354, 23368..23889, 24167..24430		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15584	Strand	-
Start	1117	End	5194
Name	OJ990701_08.9919.C12.o3.gp	Method	AAT/GAP
Start	1117	End	5194
GI	342 1.R1084	Score	5373
Exons	1117..3614, 3779..4252, 4491..4518, 4593..5194		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15584	Strand	-
Start	1117	End	5194
Name	OJ990701_08.9919.C12.o2.gp	Method	AAT/GAP
Start	3801	End	4245
GI	LIB3431-028-P1-N1-A10	Score	746
Exons	3801..4147, 4175..4245		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15585	Strand	-
Start	5572	End	5845
Name	OJ990701_08.9919.C12.o4.gp	Method	AAT/GAP
Start	5572	End	5845
GI	61605 1.R1084	Score	467
Exons	5572..5845		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15586	Strand	-
Start	6216	End	8006
Name	OJ990701_08.9919.C12.o2.np	Method	AAT/NAP
Start	6216	End	8006
GI	6063554	Score	384
Exons	6216..6390, 7027..7054, 7372..7594, 7712..8006		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15586	Strand	-
Start	6216	End	8006
Name	OJ990701_08.9919.C12.o5.gp	Method	AAT/GAP
Start	6376	End	6808

GI	2428185	Score	752
Exons	6376..6808		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:tl7804		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15586	Strand	-
Start	6216	End	8006
Name	OJ990701_08.9919.C12.o6.gp	Method	AAT/GAP
Start	6826	End	7560
GI	101153_1.R1084	Score	707
Exons	6826..7054, 7372..7560		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15587	Strand	-
Start	10479	End	10723
Name	OJ990701_08.9919.C12.o7.gp	Method	AAT/GAP
Start	10479	End	10723
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	10479..10537, 10679..10723		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15588	Strand	-
Start	11751	End	13442
Name	OJ990701_08.9919.C12.o4.gs	Method	GENSCAN
Start	11751	End	13442
GI	none	Score	.89
Exons	11751..12772, 13253..13442		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15588	Strand	-
Start	11751	End	13442
Name	OJ990701_08.9919.C12.o4.np	Method	AAT/NAP
Start	11763	End	13439
GI	1345809	Score	1651
Exons	11763..12772, 13253..13439		
GI Descrip.	CHALCONE SYNTHASE (NAREGENIN-CHALCONE SYNTHASE) gi 2117713 pir S58190 naringenin-chalcone synthase (EC 2.3.1.74) - rice gi 927491 emb CAA61955 (X89859) naringenin-chalcone synthase [Oryza sativa]		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15589	Strand	-
Start	16231	End	19373
Name	OJ990701_08.9919.C12.o5.gs	Method	GENSCAN
Start	16231	End	19373
GI	none	Score	.47
Exons	16231..16376, 17797..18178, 19239..19373		
Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897

Name	OJ990701_08.9919.C12.o6.tw	Method	TBLASTX:Wheat
Start	1109	End	1430
GI	none	Score	230
Exons	1109..1414, 1212..1415, 1212..1430		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o2.ts	Method	TBLASTX:Soybean
Start	1346	End	1775
GI	none	Score	93
Exons	1346..1429, 1347..1421, 1479..1775, 1533..1757		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o3.tc	Method	TBLASTX:Cress
Start	1508	End	1823
GI	none	Score	217
Exons	1508..1582, 1515..1823, 1607..1660, 1709..1795		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o2.tw	Method	TBLASTX:Wheat
Start	1644	End	2111
GI	none	Score	54
Exons	1644..1700, 1652..1696, 1688..1798, 1689..1820, 1698..1802, 1816..1917, 1817..1903, 1883..1957, 1906..1956, 1962..2111, 1963..2106		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o3.tm	Method	TBLASTX:Maize
Start	1692	End	2145
GI	none	Score	100
Exons	1692..1817, 1701..1823, 1816..1941, 1817..1942, 1963..2145		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o3.ts	Method	TBLASTX:Soybean
Start	1975	End	2217
GI	none	Score	196
Exons	1975..2217, 1980..2159		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o3.tw	Method	TBLASTX:Wheat
Start	2251	End	2660
GI	none	Score	63
Exons	2251..2313, 2253..2294, 2319..2501, 2323..2541, 2574..2660, 2575..2658		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
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Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o4.tm	Method	TBLASTX:Maize
Start	2575	End	3028
GI	none	Score	135
Exons	2575..2769, 2713..2784, 2784..3026, 2813..3028		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o1.tw	Method	TBLASTX:Wheat
Start	2661	End	4107
GI	none	Score	78
Exons	2661..2762, 2661..2780, 2662..2781, 2772..3392, 2774..3367, 2844..3392, 3778..3813, 3792..3932, 3793..3933, 3946..4026, 4015..4107		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o2.tc	Method	TBLASTX:Cress
Start	2924	End	3372
GI	none	Score	162
Exons	2924..3361, 2924..3367, 2928..3371, 3121..3372		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	11769	End	13442
GI	none	Score	556
Exons	11769..12293, 11770..12294, 12252..12509, 12252..12770, 12277..12771, 13251..13442, 13252..13431		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o1.tc	Method	TBLASTX:Cress
Start	11781	End	13421
GI	none	Score	942
Exons	11781..12770, 11785..12771, 13251..13421, 13252..13419		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o1.ts	Method	TBLASTX:Soybean
Start	11781	End	13431
GI	none	Score	174
Exons	11781..12293, 11785..11967, 11998..12240, 12252..12770, 12258..12491, 12274..12771, 13248..13427, 13252..13431		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o5.np	Method	AAT/NAP
Start	25220	End	28897
GI	4206306	Score	1603

Exons 25220..27223, 28832..28897
GI Descrip. (AF049110) prpol [Zea mays]

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o6.np	Method	AAT/NAP
Start	25220	End	28897
GI	4378066	Score	1569
Exons	25220..27223, 28679..28897		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor]		
	gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein		
	[Sorghum bicolor]		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o7.tw	Method	TBLASTX:Wheat
Start	25229	End	25810
GI	none	Score	90
Exons	25229..25354, 25535..25675, 25703..25810		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o5.tm	Method	TBLASTX:Maize
Start	25541	End	25777
GI	none	Score	205
Exons	25541..25777		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o6.tm	Method	TBLASTX:Maize
Start	25793	End	25943
GI	none	Score	99
Exons	25793..25942, 25793..25942, 25794..25943		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o5.tw	Method	TBLASTX:Wheat
Start	25904	End	26293
GI	none	Score	261
Exons	25904..26293		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897
Name	OJ990701_08.9919.C12.o2.tm	Method	TBLASTX:Maize
Start	25943	End	26401
GI	none	Score	52
Exons	25943..26401, 25944..26036, 26082..26276		

Seq. No.	7386	Seq. ID	OJ990701_08.9919.C12
Gene No.	15590	Strand	-
Start	25220	End	28897

Name	OJ990701_08.9919.C12.o4.tw	Method	TBLASTX:Wheat
Start	26603	End	27035
GI	none	Score	105
Exons	26603..27034, 26604..26777, 26799..27035		

Seq. No.	7387	Seq. ID	OJ990701_08.9919.C13
Gene No.	15591	Strand	+
Start	4469	End	6081
Name	OJ990701_08.9919.C13.o3.gs	Method	GENSCAN
Start	4469	End	6081
GI	none	Score	.58
Exons	4469..4510, 4769..4979, 5564..6081		

Seq. No.	7387	Seq. ID	OJ990701_08.9919.C13
Gene No.	15592	Strand	-
Start	3602	End	3889
Name	OJ990701_08.9919.C13.o1.gp	Method	AAT/GAP
Start	3602	End	3889
GI	3761047	Score	463
Exons	3602..3889		

Seq. No.	7387	Seq. ID	OJ990701_08.9919.C13
Gene No.	15593	Strand	-
Start	5339	End	5692
Name	OJ990701_08.9919.C13.o2.gp	Method	AAT/GAP
Start	5339	End	5692
GI	426759	Score	670
Exons	5339..5692		

Seq. No.	7387	Seq. ID	OJ990701_08.9919.C13
Gene No.	15594	Strand	-
Start	7098	End	7212
Name	OJ990701_08.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	6297	End	7060
GI	none	Score	62
Exons	6297..6446, 6310..6444, 6449..6571, 6468..6569, 6470..6619, 6478..6600, 6490..6591, 6491..6601, 6491..6571, 6493..6609, 6553..6600, 6613..6690, 6620..6697, 6625..6702, 6629..6778, 6629..6790, 6664..6780, 6664..6783, 6671..6757, 6671..6781, 6673..6771, 6799..6912, 6802..6909, 6815..6925, 6818..6925, 6819..6908, 6824..6925, 6826..6909, 6828..6923, 6828..6905, 6833..6910, 6833..6910, 6836..6925, 6836..6925, 6975..7058, 6983..7060		

Seq. No.	7387	Seq. ID	OJ990701_08.9919.C13
Gene No.	15594	Strand	-
Start	7098	End	7212
Name	OJ990701_08.9919.C13.o4.gs	Method	GENSCAN
Start	7098	End	7212
GI	none	Score	.93
Exons	7098..7212		

Seq. No.	7388	Seq. ID	OJ990701_08.9919.C14
Gene No.	15595	Strand	-
Start	4145	End	4955
Name	OJ990701_08.9919.C14.o1.gs	Method	GENSCAN
Start	4145	End	4955

GI	none	Score	.59
Exons	4145..4306, 4520..4678, 4908..4955		
Seq. No.	7389	Seq. ID	OJ990701_08.9919.C15
Gene No.	15596	Strand	-
Start	2355	End	6836
Name	OJ990701_08.9919.C15.o1.np	Method	AAT/NAP
Start	2355	End	6808
GI	2335106	Score	1742
Exons	2355..2526, 2653..2757, 3571..3703, 4443..4647, 4730..4835, 4944..6017, 6703..6808		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	7389	Seq. ID	OJ990701_08.9919.C15
Gene No.	15596	Strand	-
Start	2355	End	6836
Name	OJ990701_08.9919.C15.o1.ts	Method	TBLASTX:Soybean
Start	4454	End	6017
GI	none	Score	39
Exons	4454..4639, 4728..4862, 4728..4844, 4740..4859, 4743..4838, 4866..5162, 4911..5486, 4914..5288, 4917..5690, 4917..5111, 4926..5597, 5019..5135, 5034..5504, 5167..5406, 5169..5690, 5214..5501, 5248..5316, 5262..5690, 5280..5435, 5280..5468, 5323..5436, 5370..5690, 5436..5540, 5547..5687, 5775..6017, 5799..5939, 5820..5993, 5841..6017		

Seq. No.	7389	Seq. ID	OJ990701_08.9919.C15
Gene No.	15596	Strand	-
Start	2355	End	6836
Name	OJ990701_08.9919.C15.o1.tm	Method	TBLASTX:Maize
Start	4511	End	6027
GI	none	Score	214
Exons	4511..4657, 4980..5198, 5235..5417, 5403..5618, 5724..5948, 5806..6015, 5822..6016, 5823..6017, 5826..6017, 5827..6027		

Seq. No.	7389	Seq. ID	OJ990701_08.9919.C15
Gene No.	15596	Strand	-
Start	2355	End	6836
Name	OJ990701_08.9919.C15.o1.tc	Method	TBLASTX:Cress
Start	4740	End	6047
GI	none	Score	101
Exons	4740..4844, 4740..4862, 4740..4862, 4746..4859, 4899..5108, 4899..5177, 5007..5228, 5025..5375, 5121..5486, 5214..5423, 5241..5591, 5406..5639, 5442..5693, 5556..5690, 5706..6047, 5769..6014, 5868..6017		

Seq. No.	7389	Seq. ID	OJ990701_08.9919.C15
Gene No.	15596	Strand	-
Start	2355	End	6836
Name	OJ990701_08.9919.C15.o1.gp	Method	AAT/GAP
Start	5813	End	6836
GI	5005123	Score	556
Exons	5813..6017, 6703..6836		
GI Descrip.	2335106 6.0e-51 (AC002339) salt inducible protein-like [Arabidopsis thaliana]		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15597	Strand	+
Start	185	End	1821
Name	OJ990701_08.9919.C16.o1.gp	Method	AAT/GAP
Start	185	End	1158
GI	66134_1.R1084	Score	805
Exons	185..290, 413..701, 1120..1158		
GI Descrip.	'3549671/emb CAA20582.1 4.0e-09 (AL031394) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15597	Strand	+
Start	185	End	1821
Name	OJ990701_08.9919.C16.o1.gs	Method	GENSCAN
Start	533	End	1821
GI	none	Score	.59
Exons	533..701, 1196..1821		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15597	Strand	+
Start	185	End	1821
Name	OJ990701_08.9919.C16.o2.gp	Method	AAT/GAP
Start	1192	End	1625
GI	none	Score	586
Exons	1192..1361, 1461..1625		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15598	Strand	+
Start	6498	End	6946
Name	OJ990701_08.9919.C16.o3.gp	Method	AAT/GAP
Start	6498	End	6946
GI	28680_1.R1084	Score	695
Exons	6498..6946		
GI Descrip.	'413823/gb U02457 U02457 5.0e-14 Cloning vector pYEura3, complete sequence'		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15599	Strand	-
Start	2073	End	4224
Name	OJ990701_08.9919.C16.o2.gs	Method	GENSCAN
Start	2073	End	4224
GI	none	Score	.73
Exons	2073..2157, 3798..3974, 4178..4224		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15600	Strand	-
Start	6659	End	7123
Name	OJ990701_08.9919.C16.o3.gs	Method	GENSCAN
Start	6659	End	7123
GI	none	Score	.79
Exons	6659..7123		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15601	Strand	-
Start	8918	End	9361
Name	OJ990701_08.9919.C16.o4.gs	Method	GENSCAN
Start	8918	End	9361

GI	none	Score	.75
Exons	8918..9361		
Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15602	Strand	-
Start	11821	End	12332
Name	OJ990701_08.9919.C16.o4.gp	Method	AAT/GAP
Start	11709	End	12332
GI	28627_1.R1084	Score	1144
Exons	11709..12332		
GI Descrip.	'5777592/emb CAA44001.1 6.0e-27 (X62091) low molecular weight globulin [Oryza sativa]'		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15602	Strand	-
Start	11821	End	12332
Name	OJ990701_08.9919.C16.o5.gs	Method	GENSCAN
Start	11821	End	12303
GI	none	Score	.8
Exons	11821..12303		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o4.tm	Method	TBLASTX:Maize
Start	529	End	700
GI	none	Score	41
Exons	529..699, 530..553, 614..700		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o2.tm	Method	TBLASTX:Maize
Start	1246	End	1686
GI	none	Score	139
Exons	1246..1365, 1247..1357, 1458..1631, 1459..1686		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o6.gs	Method	GENSCAN
Start	13517	End	18793
GI	none	Score	.92
Exons	13517..13702, 13780..13872, 13956..14034, 14122..14232, 14313..14564, 14648..15768, 15776..16293, 16672..18793		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o1.tw	Method	TBLASTX:Wheat
Start	16778	End	17986
GI	none	Score	75
Exons	16778..16846, 16853..16957, 16860..16952, 16985..17074, 16988..17044, 17063..17218, 17079..17225, 17231..17986, 17457..17513, 17586..17741		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
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Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o3.tm	Method	TBLASTX:Maize
Start	17082	End	17377
GI	none	Score	83
Exons	17082..17195, 17084..17203, 17207..17377		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o1.tc	Method	TBLASTX:Cress
Start	17273	End	17696
GI	none	Score	48
Exons	17273..17695, 17457..17513, 17586..17696		

Seq. No.	7390	Seq. ID	OJ990701_08.9919.C16
Gene No.	15603	Strand	-
Start	13517	End	18793
Name	OJ990701_08.9919.C16.o1.tm	Method	TBLASTX:Maize
Start	17627	End	18010
GI	none	Score	296
Exons	17627..17941, 17631..17942, 17942..18010		

Seq. No.	7391	Seq. ID	OJ990701_08.9919.C17
Gene No.	15604	Strand	-
Start	33	End	964
Name	OJ990701_08.9919.C17.o1.np	Method	AAT/NAP
Start	33	End	964
GI	99922	Score	594
Exons	33..964		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	7391	Seq. ID	OJ990701_08.9919.C17
Gene No.	15604	Strand	-
Start	33	End	964
Name	OJ990701_08.9919.C17.o1.tw	Method	TBLASTX:Wheat
Start	354	End	657
GI	none	Score	183
Exons	354..656, 358..657		

Seq. No.	7391	Seq. ID	OJ990701_08.9919.C17
Gene No.	15604	Strand	-
Start	33	End	964
Name	OJ990701_08.9919.C17.o1.tc	Method	TBLASTX:Cress
Start	429	End	782
GI	none	Score	62
Exons	429..782, 525..743		

Seq. No.	7391	Seq. ID	OJ990701_08.9919.C17
Gene No.	15604	Strand	-
Start	33	End	964
Name	OJ990701_08.9919.C17.o1.tm	Method	TBLASTX:Maize
Start	450	End	657
GI	none	Score	115
Exons	450..653, 450..656, 466..657		

Seq. No. 7391
 Gene No. 15604
 Start 33
 Name OJ990701_08.9919.C17.o1.gs
 Start 503
 GI none
 Exons 503..873

Seq. ID OJ990701_08.9919.C17
 Strand -
 End 964
 Method GENSCAN
 End 873
 Score .45

Seq. No. 7391
 Gene No. 15604
 Start 33
 Name OJ990701_08.9919.C17.o1.ts
 Start 510
 GI none
 Exons 510..749, 511..750, 777..941, 814..936

Seq. ID OJ990701_08.9919.C17
 Strand -
 End 964
 Method TBLASTX:Soybean
 End 941
 Score 92

Seq. No. 7391
 Gene No. 15604
 Start 33
 Name OJ990701_08.9919.C17.o2.tw
 Start 663
 GI none
 Exons 663..770, 799..951, 814..903, 819..962

Seq. ID OJ990701_08.9919.C17
 Strand -
 End 964
 Method TBLASTX:Wheat
 End 962
 Score 81

Seq. No. 7392
 Gene No. 15605
 Start 1
 Name OJ990701_08.9919.C19.o1.gp
 Start 1
 GI none
 Exons 1..105

Seq. ID OJ990701_08.9919.C19
 Strand +
 End 105
 Method AAT/GAP
 End 105
 Score 194

Seq. No. 7393
 Gene No. 15606
 Start 1
 Name OJ990331_05.9923.C3.o1.np
 Start 1
 GI 529353
 Exons 1..72, 177..426, 550..695
 GI Descrip. (U12757) diphenol oxidase [Acer pseudoplatanus]

Seq. ID OJ990331_05.9923.C3
 Strand +
 End 695
 Method AAT/NAP
 End 695
 Score 333

Seq. No. 7393
 Gene No. 15606
 Start 1
 Name OJ990331_05.9923.C3.o1.ts
 Start 38
 GI none
 Exons 38..73, 177..371, 178..402

Seq. ID OJ990331_05.9923.C3
 Strand +
 End 695
 Method TBLASTX:Soybean
 End 402
 Score 54

Seq. No. 7393
 Gene No. 15606
 Start 1
 Name OJ990331_05.9923.C3.o1.tc
 Start 41
 GI none
 Exons 41..73, 177..344, 178..360, 385..423

Seq. ID OJ990331_05.9923.C3
 Strand +
 End 695
 Method TBLASTX:Cress
 End 423
 Score 43

Seq. No.	7393	Seq. ID	OJ990331_05.9923.C3
Gene No.	15606	Strand	+
Start	1	End	695
Name	OJ990331_05.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	41	End	420
GI	none	Score	36
Exons	41..73, 177..308, 177..419, 178..420		

Seq. No.	7393	Seq. ID	OJ990331_05.9923.C3
Gene No.	15606	Strand	+
Start	1	End	695
Name	OJ990331_05.9923.C3.o1.gs	Method	GENSCAN
Start	177	End	686
GI	none	Score	.68
Exons	177..443, 449..482, 585..686		

Seq. No.	7393	Seq. ID	OJ990331_05.9923.C3
Gene No.	15606	Strand	+
Start	1	End	695
Name	OJ990331_05.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	178	End	423
GI	none	Score	266
Exons	178..423, 201..422		

Seq. No.	7394	Seq. ID	OJ990331_05.9923.C4
Gene No.	15607	Strand	+
Start	1	End	888
Name	OJ990331_05.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	870
GI	100484	Score	479
Exons	1..131, 159..870		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	7394	Seq. ID	OJ990331_05.9923.C4
Gene No.	15607	Strand	+
Start	1	End	888
Name	OJ990331_05.9923.C4.o1.gs	Method	GENSCAN
Start	24	End	575
GI	none	Score	.65
Exons	24..575		

Seq. No.	7394	Seq. ID	OJ990331_05.9923.C4
Gene No.	15607	Strand	+
Start	1	End	888
Name	OJ990331_05.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	495	End	879
GI	none	Score	132
Exons	495..692, 504..878, 518..766, 565..879		

Seq. No.	7394	Seq. ID	OJ990331_05.9923.C4
Gene No.	15607	Strand	+
Start	1	End	888
Name	OJ990331_05.9923.C4.o1.tw	Method	TBLASTX:Wheat
Start	553	End	888
GI	none	Score	259
Exons	553..888, 573..701, 751..882		

Seq. No. 7395
 Gene No. 15608
 Start 1
 Name OJ990331_05.9923.C5.o1.gp
 Start 1
 GI 2310280
 Exons 1..329

Seq. ID OJ990331_05.9923.C5
 Strand +
 End 723
 Method AAT/GAP
 End 329
 Score 619

Seq. No. 7395
 Gene No. 15608
 Start 1
 Name OJ990331_05.9923.C5.o1.gs
 Start 111
 GI none
 Exons 111..191, 270..723

Seq. ID OJ990331_05.9923.C5
 Strand +
 End 723
 Method GENSCAN
 End 723
 Score .71

Seq. No. 7396
 Gene No. 15609
 Start 231
 Name OJ990331_05.9923.C7.o1.gs
 Start 231
 GI none
 Exons 231..317

Seq. ID OJ990331_05.9923.C7
 Strand -
 End 317
 Method GENSCAN
 End 317
 Score .6

Seq. No. 7397
 Gene No. 15610
 Start 646
 Name OJ990331_05.9923.C9.o1.gs
 Start 646
 GI none
 Exons 646..836, 859..941

Seq. ID OJ990331_05.9923.C9
 Strand +
 End 941
 Method GENSCAN
 End 941
 Score .73

Seq. No. 7398
 Gene No. 15611
 Start 107
 Name OJ990331_05.9923.C10.o1.tc
 Start 1
 GI none
 Exons 1..147, 2..145, 28..147

Seq. ID OJ990331_05.9923.C10
 Strand +
 End 1315
 Method TBLASTX:Cress
 End 147
 Score 201

Seq. No. 7398
 Gene No. 15611
 Start 107
 Name OJ990331_05.9923.C10.o1.gs
 Start 107
 GI none
 Exons 107..1315

Seq. ID OJ990331_05.9923.C10
 Strand +
 End 1315
 Method GENSCAN
 End 1315
 Score .93

Seq. No. 7398
 Gene No. 15611
 Start 107
 Name OJ990331_05.9923.C10.o1.np
 Start 107
 GI 2126090
 Exons 107..1312

Seq. ID OJ990331_05.9923.C10
 Strand +
 End 1315
 Method AAT/NAP
 End 1312
 Score 2114

GI Descrip. transposase (insertion sequence IS10) - Escherichia coli
 gi|455676|bbs|140379 (S67119) transposase [Escherichia coli,

LBB84, plasmid pXT107, IS10L/R-1, Peptide
 PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli]
 gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2
 [Arabidopsis thaliana]

Seq. No.	7399	Seq. ID	OJ990331_05.9923.C11
Gene No.	15612	Strand	-
Start	241	End	660
Name	OJ990331_05.9923.C11.o1.np	Method	AAT/NAP
Start	241	End	660
GI	6539570	Score	100
Exons	241..308, 457..660		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7399	Seq. ID	OJ990331_05.9923.C11
Gene No.	15612	Strand	-
Start	241	End	660
Name	OJ990331_05.9923.C11.o1.gs	Method	GENSCAN
Start	526	End	624
GI	none	Score	.58
Exons	526..624		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15613	Strand	+
Start	5922	End	11966
Name	OJ990331_05.9923.C12.o4.gs	Method	GENSCAN
Start	5922	End	8069
GI	none	Score	1
Exons	5922..8069		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15613	Strand	+
Start	5922	End	11966
Name	OJ990331_05.9923.C12.o3.np	Method	AAT/NAP
Start	7335	End	11966
GI	1351856	Score	342
Exons	7335..7367, 8404..8454, 8780..8832, 8990..9131, 10085..10219, 10263..10361, 11476..11672, 11811..11966		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi 868003 dbj BAA06108 (D29629) aconitase [Cucurbita sp.]		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15614	Strand	+
Start	17723	End	21986
Name	OJ990331_05.9923.C12.o7.gs	Method	GENSCAN
Start	17723	End	21986
GI	none	Score	.47
Exons	17723..17822, 18416..18475, 21108..21136, 21852..21986		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15615	Strand	+
Start	23280	End	30720
Name	OJ990331_05.9923.C12.o8.gs	Method	GENSCAN
Start	23280	End	30720
GI	none	Score	.52
Exons	23280..23426, 23571..23619, 23926..24344, 24694..24823,		

25390..26998, 27101..27233, 27519..27611, 28302..28413,
28415..28502, 30594..30720

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15616	Strand	+
Start	36477	End	39050
Name	OJ990331_05.9923.C12.o10.gs	Method	GENSCAN
Start	36477	End	39050
GI	none	Score	.59
Exons	36477..36673, 37531..37655, 38683..39050		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15617	Strand	-
Start	1	End	1269
Name	OJ990331_05.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	842
GI	2213632	Score	600
Exons	1..842		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15617	Strand	-
Start	1	End	1269
Name	OJ990331_05.9923.C12.o1.gs	Method	GENSCAN
Start	165	End	1269
GI	none	Score	.5
Exons	165..421, 1080..1269		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15618	Strand	-
Start	9178	End	10849
Name	OJ990331_05.9923.C12.o5.gs	Method	GENSCAN
Start	9178	End	10849
GI	none	Score	.74
Exons	9178..9309, 9467..9654, 10780..10849		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15619	Strand	-
Start	13256	End	16073
Name	OJ990331_05.9923.C12.o1.gp	Method	AAT/GAP
Start	12960	End	13289
GI	2311342	Score	584
Exons	12960..13289		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15619	Strand	-
Start	13256	End	16073
Name	OJ990331_05.9923.C12.o6.gs	Method	GENSCAN
Start	13256	End	16073
GI	none	Score	.82
Exons	13256..13406, 15961..16073		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15620	Strand	-
Start	31353	End	33560
Name	OJ990331_05.9923.C12.o9.gs	Method	GENSCAN
Start	31353	End	33560

GI	none	Score	1
Exons	31353..33560		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15620	Strand	-
Start	31353	End	33560
Name	OJ990331_05.9923.C12.o4.np	Method	AAT/NAP
Start	31383	End	33551
GI	1707007	Score	1670
Exons	31383..33551		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15621	Strand	-
Start	43320	End	49103
Name	OJ990331_05.9923.C12.o5.np	Method	AAT/NAP
Start	43320	End	49103
GI	4680203	Score	1584
Exons	43320..43344, 44460..45307, 45584..45791, 45948..47582, 49035..49103		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	322	End	728
GI	none	Score	136
Exons	322..540, 327..557, 328..540, 546..656, 546..728, 565..657		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	396	End	1022
GI	none	Score	67
Exons	396..488, 484..543, 489..560, 561..593, 597..1022, 787..1014		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o9.tw	Method	TBLASTX:Wheat
Start	732	End	1069
GI	none	Score	89
Exons	732..1013, 757..1005, 1022..1069		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o8.tm	Method	TBLASTX:Maize
Start	6521	End	6737
GI	none	Score	58
Exons	6521..6589, 6522..6584, 6575..6736, 6594..6737		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552

Name	OJ990331_05.9923.C12.o4.tc	Method	TBLASTX:Cress
Start	8777	End	12085
GI	none	Score	65
Exons	8777..8830, 10085..10201, 10087..10206, 10262..10342, 10262..10342, 10278..10343, 11526..11582, 11527..11577, 11582..11653, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12072, 12038..12085		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o4.ts	Method	TBLASTX:Soybean
Start	9078	End	12112
GI	none	Score	65
Exons	9078..9134, 10085..10201, 10086..10199, 10087..10206, 10262..10342, 10278..10343, 11526..11582, 11527..11580, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12087, 12038..12112		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o7.tm	Method	TBLASTX:Maize
Start	9078	End	12112
GI	none	Score	69
Exons	9078..9134, 10085..10204, 10087..10206, 10253..10342, 10278..10343, 11526..11594, 11526..11582, 11582..11629, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12045, 12038..12112, 12046..12087		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o8.tw	Method	TBLASTX:Wheat
Start	11897	End	12112
GI	none	Score	181
Exons	11897..12049, 11926..12072, 12038..12112, 12046..12111		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o4.tm	Method	TBLASTX:Maize
Start	23256	End	24376
GI	none	Score	158
Exons	23256..23426, 23264..23425, 23571..23618, 23924..24100, 23925..24101, 24067..24210, 24078..24374, 24078..24362, 24098..24376, 24107..24376		
Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o6.tw	Method	TBLASTX:Wheat
Start	23376	End	24359
GI	none	Score	64
Exons	23376..23426, 23571..23618, 23924..23965, 23925..23960, 23955..24359, 23958..24359		

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o5.tm
 Start 25533
 GI none
 Exons 25533..25826, 25535..25831

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Maize
 End 25831
 Score 252

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o7.tw
 Start 25584
 GI none
 Exons 25584..25859, 25646..25822

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Wheat
 End 25859
 Score 282

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o6.ts
 Start 25614
 GI none
 Exons 25614..25925, 25902..26000

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Soybean
 End 26000
 Score 177

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o1.tm
 Start 31461
 GI none
 Exons 31461..32303, 31822..32304, 32008..32334, 32211..32606, 32311..32607, 32322..32714, 32518..32628, 32613..32855, 32619..32855, 32916..33086, 32928..33098, 32928..33020

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Maize
 End 33107
 Score 164
 31974..32342, 31992..32180, 32211..32411, 32310..32606, 32514..32846, 32515..32826, 32613..32885, 32614..32847, 32922..33107, 32925..33089,

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o1.ts
 Start 31476
 GI none
 Exons 31476..31997, 31759..31965

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Soybean
 End 31997
 Score 85

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o1.tc
 Start 31497
 GI none
 Exons 31497..32084, 32136..32165, 32520..32693

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Cress
 End 32693
 Score 76

Seq. No. 7400
 Gene No. 15622
 Start 49506
 Name OJ990331_05.9923.C12.o5.tw

Seq. ID OJ990331_05.9923.C12
 Strand -
 End 54552
 Method TBLASTX:Wheat

Start	31870	End	33104
GI	none	Score	147
Exons	31870..32304, 31875..32345, 32232..32648, 32388..32477, 32542..32649, 32542..32904, 32565..32906, 32925..33104		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	32007	End	33110
GI	none	Score	140
Exons	32007..32312, 32244..32618, 32245..32616, 32550..32915, 32614..32907, 32922..33110		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	44561	End	45661
GI	none	Score	63
Exons	44561..44662, 44568..44660, 44664..44783, 44678..44776, 44771..44959, 44787..44969, 44978..45661, 45066..45446, 45158..45463, 45513..45641		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o9.tm	Method	TBLASTX:Maize
Start	44795	End	45085
GI	none	Score	85
Exons	44795..44902, 44796..44903, 44915..45085, 44916..45083		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o3.tc	Method	TBLASTX:Cress
Start	44978	End	45403
GI	none	Score	122
Exons	44978..45403, 45066..45395		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	45335	End	45719
GI	none	Score	254
Exons	45335..45649, 45336..45710, 45448..45696, 45522..45719		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o6.tm	Method	TBLASTX:Maize
Start	46482	End	46746
GI	none	Score	97
Exons	46482..46736, 46534..46746		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
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Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	46515	End	46865
GI	none	Score	78
Exons	46515..46865, 46570..46677, 46711..46761		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o5.ts	Method	TBLASTX:Soybean
Start	46587	End	46871
GI	none	Score	130
Exons	46587..46871, 46597..46836		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o4.tw	Method	TBLASTX:Wheat
Start	46611	End	47204
GI	none	Score	69
Exons	46611..46736, 46612..46719, 46734..46832, 46740..46856, 46912..47202, 46914..47204		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	46888	End	47186
GI	none	Score	109
Exons	46888..47169, 46914..47186		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o6.np	Method	AAT/NAP
Start	49506	End	54552
GI	5420389	Score	134
Exons	49506..49544, 52326..52614, 53776..53994, 54284..54378, 54453..54552		
GI Descrip.	(AJ243460) proteophosphoglycan [<i>Leishmania major</i>]		

Seq. No.	7400	Seq. ID	OJ990331_05.9923.C12
Gene No.	15622	Strand	-
Start	49506	End	54552
Name	OJ990331_05.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	52274	End	52605
GI	none	Score	346
Exons	52274..52459, 52282..52605, 52283..52600		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15623	Strand	+
Start	114	End	1454
Name	OJ990331_05.9923.C13.o1.gs	Method	GENSCAN
Start	114	End	1454
GI	none	Score	.52
Exons	114..211, 334..427, 1158..1454		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15624	Strand	+
Start	2535	End	4716
Name	OJ990331_05.9923.C13.o3.np	Method	AAT/NAP
Start	2517	End	4713
GI	1621465	Score	1118
Exons	2517..2645, 2751..2902, 3007..3251, 3375..4490, 4586..4713		
GI Descrip.	(U73105) laccase [Liriodendron tulipifera]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15624	Strand	+
Start	2535	End	4716
Name	OJ990331_05.9923.C13.o2.gs	Method	GENSCAN
Start	2535	End	4716
GI	none	Score	.9
Exons	2535..2645, 2751..2902, 3007..3273, 3279..3312, 3380..4490, 4586..4716		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15625	Strand	+
Start	10568	End	14427
Name	OJ990331_05.9923.C13.o4.np	Method	AAT/NAP
Start	10568	End	14427
GI	6681341	Score	475
Exons	10568..10646, 10804..11108, 12864..13359, 14275..14427		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi 6682260 gb AAF23312.1 AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15625	Strand	+
Start	10568	End	14427
Name	OJ990331_05.9923.C13.o1.gp	Method	AAT/GAP
Start	10815	End	13038
GI	none	Score	882
Exons	10815..11108, 12864..13038		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15625	Strand	+
Start	10568	End	14427
Name	OJ990331_05.9923.C13.o2.gp	Method	AAT/GAP
Start	13028	End	13352
GI	none	Score	552
Exons	13028..13352		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15626	Strand	+
Start	15950	End	18215
Name	OJ990331_05.9923.C13.o5.np	Method	AAT/NAP
Start	15950	End	18215
GI	6523547	Score	388
Exons	15950..16720, 16862..17306, 18190..18215		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
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Gene No.	15626	Strand	+
Start	15950	End	18215
Name	OJ990331_05.9923.C13.o6.np	Method	AAT/NAP
Start	15950	End	17346
GI	6523547	Score	385
Exons	15950..16720, 16862..17346		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15627	Strand	+
Start	19342	End	19502
Name	OJ990331_05.9923.C13.o4.gp	Method	AAT/GAP
Start	19342	End	19502
GI	none	Score	294
Exons	19342..19502		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15628	Strand	+
Start	29824	End	29883
Name	OJ990331_05.9923.C13.o6.gp	Method	AAT/GAP
Start	29824	End	29883
GI	2338_1.R1084	Score	75
Exons	29824..29883		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15629	Strand	-
Start	1	End	1454
Name	OJ990331_05.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	1454
GI	6539570	Score	190
Exons	1..207, 964..1038, 1241..1454		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15630	Strand	-
Start	1591	End	2935
Name	OJ990331_05.9923.C13.o2.np	Method	AAT/NAP
Start	1591	End	2935
GI	6630699	Score	73
Exons	1591..1668, 2887..2935		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15631	Strand	-
Start	5628	End	7972
Name	OJ990331_05.9923.C13.o3.gs	Method	GENSCAN
Start	5628	End	7972
GI	none	Score	.54
Exons	5628..5767, 5905..6000, 6069..6623, 7954..7972		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15632	Strand	-

Start	14349	End	14646
Name	OJ990331_05.9923.C13.o3.gp	Method	AAT/GAP
Start	14349	End	14646
GI	5002971	Score	550
Exons	14349..14646		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15633	Strand	-
Start	18050	End	18463
Name	OJ990331_05.9923.C13.o5.gs	Method	GENSCAN
Start	18050	End	18463
GI	none	Score	.94
Exons	18050..18463		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15634	Strand	-
Start	19524	End	24758
Name	OJ990331_05.9923.C13.o7.np	Method	AAT/NAP
Start	19449	End	22889
GI	6729012	Score	1647
Exons	19449..19514, 19604..19850, 20005..20219, 20301..20480, 20675..20939, 21411..21625, 21714..21923, 22056..22113, 22626..22889		

GI Descrip. (AC016827) putative GTPase [Arabidopsis thaliana]

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15634	Strand	-
Start	19524	End	24758
Name	OJ990331_05.9923.C13.o6.gs	Method	GENSCAN
Start	19524	End	24758
GI	none	Score	.79
Exons	19524..19850, 20008..20219, 20301..20480, 20675..20939, 21411..21625, 21714..21887, 21975..22113, 22460..22513, 22626..23109, 23550..23885, 24140..24280, 24724..24758		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15634	Strand	-
Start	19524	End	24758
Name	OJ990331_05.9923.C13.o5.gp	Method	AAT/GAP
Start	21749	End	22964
GI	28067_1.R1084	Score	1173
Exons	21749..21887, 21975..22113, 22626..22964		
GI Descrip.	'629881/pir S40612 5.0e-10 myosin-related protein - slime mold (Physarum polycephalum) >gi_511053_emb_CAA79924_ (Z21878) myosin-related protein [Physarum polycephalum]'		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	2751	End	3253
GI	none	Score	166
Exons	2751..2903, 2768..2902, 3007..3174, 3008..3190, 3215..3253		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060

Name	OJ990331_05.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	2751	End	3232
GI	none	Score	94
Exons	2751..2825, 2765..2839, 2814..2903, 2843..2902, 3007..3201, 3008..3232		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o8.tm	Method	TBLASTX:Maize
Start	2826	End	3250
GI	none	Score	49
Exons	2826..2903, 3007..3240, 3008..3250		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	3008	End	3253
GI	none	Score	266
Exons	3008..3253, 3031..3252		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o11.tm	Method	TBLASTX:Maize
Start	3377	End	3687
GI	none	Score	81
Exons	3377..3487, 3421..3480, 3494..3685, 3508..3687		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o6.ts	Method	TBLASTX:Soybean
Start	3377	End	3826
GI	none	Score	99
Exons	3377..3505, 3424..3477, 3484..3687, 3494..3685, 3791..3826		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	3494	End	3705
GI	none	Score	192
Exons	3494..3700, 3503..3700, 3505..3705		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o5.tm	Method	TBLASTX:Maize
Start	4079	End	4716
GI	none	Score	65
Exons	4079..4210, 4246..4293, 4247..4312, 4304..4492, 4312..4494, 4584..4712, 4585..4716		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-

Start	31771	End	37060
Name	OJ990331_05.9923.C13.o4.ts	Method	TBLASTX:Soybean
Start	4318	End	4716
GI	none	Score	221
Exons	4318..4494, 4319..4492, 4584..4712, 4585..4716		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o3.tc	Method	TBLASTX:Cress
Start	4346	End	4719
GI	none	Score	150
Exons	4346..4492, 4351..4494, 4585..4719		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	12850	End	14382
GI	none	Score	200
Exons	12850..13107, 12861..13070, 12919..13107, 13162..13359, 13164..13349, 14164..14211, 14274..14369, 14275..14382		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	12922	End	14406
GI	none	Score	166
Exons	12922..13110, 12933..13112, 13141..13359, 13143..13358, 14274..14393, 14275..14406		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	12936	End	13300
GI	none	Score	162
Exons	12936..13112, 12937..13110, 13141..13299, 13149..13298, 13166..13300		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o6.tm	Method	TBLASTX:Maize
Start	19515	End	20067
GI	none	Score	42
Exons	19515..19850, 19517..19852, 19524..19562, 19598..19873, 20008..20067, 20008..20067		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	19530	End	20475
GI	none	Score	64
Exons	19530..19649, 19713..19811, 20008..20139, 20008..20235,		

20036..20221, 20281..20382, 20293..20409, 20297..20422,
20416..20475, 20425..20475

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o7.tm	Method	TBLASTX:Maize
Start	20167	End	20862
GI	none	Score	67
Exons	20167..20235, 20168..20221, 20293..20490, 20297..20482, 20670..20783, 20670..20861, 20671..20862		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o5.ts	Method	TBLASTX:Soybean
Start	20700	End	21611
GI	none	Score	131
Exons	20700..20942, 20713..20871, 20726..20926, 21406..21468, 21408..21467, 21522..21611, 21526..21603		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	21483	End	22842
GI	none	Score	139
Exons	21483..21593, 21496..21594, 21591..21626, 21598..21627, 21705..21812, 21706..21894, 21714..21887, 21716..21889, 21955..22116, 21987..22115, 22677..22760, 22714..22764, 22771..22842		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o7.ts	Method	TBLASTX:Soybean
Start	21706	End	22839
GI	none	Score	165
Exons	21706..21888, 21716..21883, 21735..21890, 21758..21889, 21766..21891, 22036..22116, 22677..22766, 22714..22839		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o9.tm	Method	TBLASTX:Maize
Start	31750	End	32026
GI	none	Score	245
Exons	31750..32025, 31751..31999, 31770..32012, 31772..32026		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o7.gs	Method	GENSCAN
Start	31771	End	37060
GI	none	Score	.64
Exons	31771..34816, 35219..35425, 37005..37060		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	31789	End	33006
GI	none	Score	97
Exons	31789..31914, 31790..31903, 31898..32119, 31918..32136, 32926..33006		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o9.ts	Method	TBLASTX:Soybean
Start	31801	End	33036
GI	4396873	Score	82
Exons	31801..31896, 31873..32163, 31943..32155, 32941..33036		
GI Descrip.	4432867/gb_AAD20715_2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	32029	End	33202
GI	none	Score	648
Exons	32029..32166, 32197..32322, 32563..33189, 32569..33192, 32570..33202		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o4.tc	Method	TBLASTX:Cress
Start	32041	End	33120
GI	none	Score	198
Exons	32041..32184, 32197..32247, 32806..33120		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o10.tm	Method	TBLASTX:Maize
Start	32323	End	33321
GI	none	Score	145
Exons	32323..32466, 32324..32443, 32326..32463, 33205..33321		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o8.np	Method	AAT/NAP
Start	32476	End	34794
GI	6437559	Score	779
Exons	32476..32555, 32658..33675, 33751..34121, 34236..34794		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	7401	Seq. ID	OJ990331_05.9923.C13
Gene No.	15635	Strand	-
Start	31771	End	37060
Name	OJ990331_05.9923.C13.o7.gp	Method	AAT/GAP

Start 33678
GI 2310280
Exons 33678..34144

End 34144
Score 895

Seq. No. 7401 Seq. ID OJ990331_05.9923.C13
Gene No. 15635 Strand -
Start 31771 End 37060
Name OJ990331_05.9923.C13.o3.tm Method TBLASTX:Maize
Start 34376 End 34758
GI none Score 332
Exons 34376..34738, 34388..34750, 34393..34758, 34405..34758

Seq. No. 7401 Seq. ID OJ990331_05.9923.C13
Gene No. 15635 Strand -
Start 31771 End 37060
Name OJ990331_05.9923.C13.o5.tw Method TBLASTX:Wheat
Start 34408 End 34674
GI none Score 88
Exons 34408..34617, 34439..34567, 34612..34674

Seq. No. 7401 Seq. ID OJ990331_05.9923.C13
Gene No. 15635 Strand -
Start 31771 End 37060
Name OJ990331_05.9923.C13.o2.tc Method TBLASTX:Cress
Start 34426 End 34803
GI none Score 110
Exons 34426..34629, 34457..34606, 34606..34803, 34606..34797

Seq. No. 7401 Seq. ID OJ990331_05.9923.C13
Gene No. 15635 Strand -
Start 31771 End 37060
Name OJ990331_05.9923.C13.o8.ts Method TBLASTX:Soybean
Start 34489 End 34725
GI none Score 85
Exons 34489..34602, 34490..34600, 34606..34725, 34629..34697

Seq. No. 7402 Seq. ID OJ990331_05.9923.C14
Gene No. 15636 Strand +
Start 123 End 461
Name OJ990331_05.9923.C14.o1.gs Method GENSCAN
Start 123 End 461
GI none Score .97
Exons 123..310, 353..461

Seq. No. 7403 Seq. ID OJ990331_05.9923.C16
Gene No. 15637 Strand -
Start 466 End 653
Name OJ990331_05.9923.C16.o1.gs Method GENSCAN
Start 466 End 653
GI none Score .69
Exons 466..503, 581..653

Seq. No. 7404 Seq. ID OJ990331_05.9923.C18
Gene No. 15638 Strand -
Start 18 End 570
Name OJ990331_05.9923.C18.o1.gs Method GENSCAN
Start 18 End 530

GI	none	Score	.95
Exons	18..530		
Seq. No.	7404	Seq. ID	OJ990331_05.9923.C18
Gene No.	15638	Strand	-
Start	18	End	570
Name	OJ990331_05.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	57	End	395
GI	none	Score	214
Exons	57..329, 67..327, 69..329, 70..330, 325..384, 328..390, 330..395, 333..395		

Seq. No.	7404	Seq. ID	OJ990331_05.9923.C18
Gene No.	15638	Strand	-
Start	18	End	570
Name	OJ990331_05.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	69	End	416
GI	none	Score	97
Exons	69..194, 70..183, 178..399, 198..416		

Seq. No.	7404	Seq. ID	OJ990331_05.9923.C18
Gene No.	15638	Strand	-
Start	18	End	570
Name	OJ990331_05.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	81	End	443
GI	4396873	Score	64
Exons	81..176, 82..207, 153..443, 223..435		
GI Descrip.	4432867/gb_AAD20715_2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	7404	Seq. ID	OJ990331_05.9923.C18
Gene No.	15638	Strand	-
Start	18	End	570
Name	OJ990331_05.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	408	End	570
GI	none	Score	133
Exons	408..566, 409..570, 430..570		

Seq. No.	7405	Seq. ID	OJ990331_05.9923.C19
Gene No.	15639	Strand	+
Start	1	End	817
Name	OJ990331_05.9923.C19.o1.np	Method	AAT/NAP
Start	1	End	773
GI	100484	Score	434
Exons	1..773		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	7405	Seq. ID	OJ990331_05.9923.C19
Gene No.	15639	Strand	+
Start	1	End	817
Name	OJ990331_05.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	399	End	782
GI	none	Score	132
Exons	399..596, 408..707, 422..694, 469..708, 708..782		

Seq. No.	7405	Seq. ID	OJ990331_05.9923.C19
Gene No.	15639	Strand	+

Start	1	End	817
Name	OJ990331_05.9923.C19.o1.tw	Method	TBLASTX:Wheat
Start	457	End	817
GI	none	Score	179
Exons	457..708, 477..605, 708..791,		720..785, 794..817

Seq. No.	7406	Seq. ID	OJ990331_05.9923.C22
Gene No.	15640	Strand	-
Start	147	End	561
Name	OJ990331_05.9923.C22.o1.gs	Method	GENSCAN
Start	147	End	561
GI	none	Score	.4
Exons	147..218, 493..561		

Seq. No.	7407	Seq. ID	OJ990331_05.9923.C23
Gene No.	15641	Strand	-
Start	351	End	762
Name	OJ990331_05.9923.C23.o1.ts	Method	TBLASTX:Soybean
Start	246	End	753
GI	none	Score	74
Exons	246..275, 348..482, 352..483,		573..698, 575..697, 700..753

Seq. No.	7407	Seq. ID	OJ990331_05.9923.C23
Gene No.	15641	Strand	-
Start	351	End	762
Name	OJ990331_05.9923.C23.o1.gs	Method	GENSCAN
Start	351	End	701
GI	none	Score	.95
Exons	351..481, 577..701		

Seq. No.	7407	Seq. ID	OJ990331_05.9923.C23
Gene No.	15641	Strand	-
Start	351	End	762
Name	OJ990331_05.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	351	End	762
GI	none	Score	80
Exons	351..482, 355..483, 575..718,		583..699, 700..762, 717..755

Seq. No.	7407	Seq. ID	OJ990331_05.9923.C23
Gene No.	15641	Strand	-
Start	351	End	762
Name	OJ990331_05.9923.C23.o1.tc	Method	TBLASTX:Cress
Start	352	End	664
GI	none	Score	81
Exons	352..486, 354..488, 573..662,		575..664

Seq. No.	7407	Seq. ID	OJ990331_05.9923.C23
Gene No.	15641	Strand	-
Start	351	End	762
Name	OJ990331_05.9923.C23.o1.np	Method	AAT/NAP
Start	354	End	762
GI	1621461	Score	299
Exons	354..481, 577..762		
GI Descrip.	(U73103) laccase [Liriodendron tulipifera]		

Seq. No.	7408	Seq. ID	OJ990331_01.9922.C1
Gene No.	15642	Strand	+

Start	474	End	724
Name	OJ990331_01.9922.C1.o1.np	Method	AAT/NAP
Start	474	End	724
GI	6907088	Score	188
Exons	474..724		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7408	Seq. ID	OJ990331_01.9922.C1
Gene No.	15643	Strand	-
Start	296	End	698
Name	OJ990331_01.9922.C1.o1.gs	Method	GENSCAN
Start	296	End	698
GI	none	Score	.5
Exons	296..337, 576..698		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15644	Strand	+
Start	1944	End	3309
Name	OJ990331_01.9922.C2.o1.gs	Method	GENSCAN
Start	1944	End	3309
GI	none	Score	.47
Exons	1944..2712, 2760..2881, 3292..3309		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15644	Strand	+
Start	1944	End	3309
Name	OJ990331_01.9922.C2.o1.np	Method	AAT/NAP
Start	1964	End	2825
GI	3668083	Score	187
Exons	1964..2092, 2277..2421, 2476..2825		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15644	Strand	+
Start	1944	End	3309
Name	OJ990331_01.9922.C2.o1.gp	Method	AAT/GAP
Start	2602	End	3235
GI	none	Score	1137
Exons	2602..3235		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15645	Strand	+
Start	5448	End	6051
Name	OJ990331_01.9922.C2.o2.gs	Method	GENSCAN
Start	5448	End	6051
GI	none	Score	.81
Exons	5448..5527, 5763..5991, 6046..6051		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15646	Strand	+
Start	10679	End	10766
Name	OJ990331_01.9922.C2.o2.gp	Method	AAT/GAP
Start	10679	End	10766
GI	none	Score	176
Exons	10679..10766		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
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Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	2622	End	3083
GI	none	Score	46
Exons	2622..2669, 2678..2734, 2729..2827, 2730..2750, 2819..2938, 2846..2950, 2878..2949, 2934..3002, 2936..3004, 2937..3002, 2938..3006, 3015..3083, 3031..3081		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o2.np	Method	AAT/NAP
Start	3575	End	9364
GI	5042434	Score	621
Exons	3575..3664, 6975..7237, 7619..8993, 9222..9364		
GI Descrip.	(AC006193) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o3.gs	Method	GENSCAN
Start	6420	End	9050
GI	none	Score	1
Exons	6420..9050		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	7803	End	8477
GI	none	Score	271
Exons	7803..8030, 7938..8477		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	7902	End	8276
GI	none	Score	198
Exons	7902..8276		

Seq. No.	7409	Seq. ID	OJ990331_01.9922.C2
Gene No.	15647	Strand	-
Start	3575	End	9364
Name	OJ990331_01.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	7956	End	8474
GI	none	Score	214
Exons	7956..8474		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15648	Strand	+
Start	153	End	2840
Name	OJ990331_01.9922.C3.o1.gs	Method	GENSCAN
Start	153	End	2840
GI	none	Score	.57
Exons	153..289, 358..459, 750..864, 1552..1667, 1785..1973,		

2141..2343, 2659..2840

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15648	Strand	+
Start	153	End	2840
Name	OJ990331_01.9922.C3.o1.np	Method	AAT/NAP
Start	153	End	2282
GI	6227000	Score	476
Exons	153..289, 358..459, 750..864, 1552..1671, 1795..1973, 2141..2282		
GI Descrip.	(AC009360) EST gb AI998705 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15648	Strand	+
Start	153	End	2840
Name	OJ990331_01.9922.C3.o1.gp	Method	AAT/GAP
Start	771	End	2170
GI	none	Score	767
Exons	771..864, 1552..1667, 1785..1973, 2141..2170		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	152	End	1876
GI	none	Score	191
Exons	152..292, 153..287, 356..460, 358..465, 744..866, 744..866, 745..867, 748..867, 782..868, 1551..1667, 1552..1668, 1552..1668, 1783..1872, 1783..1875, 1784..1876		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1635	End	2273
GI	none	Score	53
Exons	1635..1667, 1636..1668, 1642..1686, 1782..1973, 1782..1973, 1783..1974, 1783..1974, 2138..2269, 2139..2270, 2139..2273, 2147..2272		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	2220	End	2853
GI	none	Score	101
Exons	2220..2288, 2225..2293, 2225..2290, 2657..2848, 2658..2777, 2662..2853, 2663..2845		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o2.gp	Method	AAT/GAP
Start	3703	End	4258
GI	none	Score	845
Exons	3703..4019, 4133..4258		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o2.np	Method	AAT/NAP
Start	3944	End	4815
GI	3738320	Score	253
Exons	3944..4006, 4128..4488, 4787..4815		
GI Descrip.	(AC005170) putative cinnamoyl CoA reductase [Arabidopsis thaliana]		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	3953	End	4488
GI	none	Score	222
Exons	3953..4003, 4172..4486, 4174..4488		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o2.gs	Method	GENSCAN
Start	4093	End	4407
GI	none	Score	.67
Exons	4093..4407		

Seq. No.	7410	Seq. ID	OJ990331_01.9922.C3
Gene No.	15649	Strand	-
Start	4093	End	4815
Name	OJ990331_01.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	4222	End	4482
GI	none	Score	84
Exons	4222..4350, 4223..4348, 4373..4480, 4393..4482		

Seq. No.	7411	Seq. ID	OJ990331_01.9922.C4
Gene No.	15650	Strand	-
Start	149	End	323
Name	OJ990331_01.9922.C4.o1.gs	Method	GENSCAN
Start	149	End	323
GI	none	Score	.56
Exons	149..323		

Seq. No.	7412	Seq. ID	OJ990331_01.9922.C5
Gene No.	15651	Strand	+
Start	657	End	944
Name	OJ990331_01.9922.C5.o1.gs	Method	GENSCAN
Start	657	End	944
GI	none	Score	.49
Exons	657..944		

Seq. No.	7413	Seq. ID	OJ990331_01.9922.C6
Gene No.	15652	Strand	+
Start	523	End	1527
Name	OJ990331_01.9922.C6.o1.np	Method	AAT/NAP
Start	523	End	1527
GI	6907086	Score	971
Exons	523..1267, 1326..1527		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	7413	Seq. ID	OJ990331_01.9922.C6
Gene No.	15652	Strand	+
Start	523	End	1527
Name	OJ990331_01.9922.C6.o1.gs	Method	GENSCAN
Start	678	End	1250
GI	none	Score	.58
Exons	678..716, 805..1068, 1131..1250		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15653	Strand	-
Start	1023	End	4723
Name	OJ990331_01.9922.C7.o1.gp	Method	AAT/GAP
Start	878	End	1313
GI	none	Score	710
Exons	878..1313		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15653	Strand	-
Start	1023	End	4723
Name	OJ990331_01.9922.C7.o1.gs	Method	GENSCAN
Start	1023	End	4723
GI	none	Score	.45
Exons	1023..1589, 2341..2873, 3949..3970, 4049..4723		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15653	Strand	-
Start	1023	End	4723
Name	OJ990331_01.9922.C7.o1.np	Method	AAT/NAP
Start	1104	End	2826
GI	6562275	Score	140
Exons	1104..1304, 2413..2517, 2550..2826		

GI Descrip. (AL132980) hypothetical protein [Arabidopsis thaliana]

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15653	Strand	-
Start	1023	End	4723
Name	OJ990331_01.9922.C7.o2.gp	Method	AAT/GAP
Start	1454	End	2553
GI	2311653	Score	628
Exons	1454..1589, 2341..2553		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15653	Strand	-
Start	1023	End	4723
Name	OJ990331_01.9922.C7.o2.np	Method	AAT/NAP
Start	3024	End	4717
GI	2832627	Score	471
Exons	3024..3051, 4049..4079, 4174..4717		

GI Descrip. (AL021711) xyloglucan endo-transglycosylase-like protein [Arabidopsis thaliana]

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o2.ts	Method	TBLASTX:Soybean

Start	1032	End	2733
GI	none	Score	59
Exons	1032..1133, 1051..1110, 1140..1181, 1220..1246, 2344..2463, 2351..2464, 2548..2673, 2558..2617, 2680..2733		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	1032	End	2733
GI	none	Score	58
Exons	1032..1133, 1051..1092, 1140..1181, 1220..1246, 2344..2463, 2351..2464, 2548..2673, 2558..2617, 2680..2733		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	4094	End	4714
GI	none	Score	111
Exons	4094..4144, 4107..4310, 4130..4159, 4176..4265, 4178..4303, 4307..4459, 4308..4460, 4469..4714, 4470..4709		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	4178	End	4717
GI	none	Score	86
Exons	4178..4261, 4308..4460, 4319..4459, 4460..4717, 4470..4661		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	4178	End	4715
GI	none	Score	107
Exons	4178..4285, 4287..4460, 4307..4459, 4469..4714, 4473..4715		

Seq. No.	7414	Seq. ID	OJ990331_01.9922.C7
Gene No.	15654	Strand	-
Start	5850	End	6261
Name	OJ990331_01.9922.C7.o3.gp	Method	AAT/GAP
Start	5850	End	6261
GI	none	Score	746
Exons	5850..6261		

Seq. No.	7415	Seq. ID	OJ990331_01.9922.C9
Gene No.	15655	Strand	+
Start	1	End	1957
Name	OJ990331_01.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1954
GI	5902445	Score	2848
Exons	1..1954		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7415	Seq. ID	OJ990331_01.9922.C9
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Gene No. 15655
 Start 1
 Name OJ990331_01.9922.C9.o1.gs
 Start 206
 GI none
 Exons 206..1957

Strand +
 End 1957
 Method GENSCAN
 End 1957
 Score .74

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o3.tw
 Start 185
 GI none
 Exons 185..592, 227..370, 229..510

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Wheat
 End 592
 Score 308

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o1.tm
 Start 823
 GI none
 Exons 823..1146, 824..1147, 1139..1186

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Maize
 End 1186
 Score 431

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o2.tw
 Start 830
 GI none
 Exons 830..1216, 874..1140, 1025..1216

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Wheat
 End 1216
 Score 407

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o3.tm
 Start 1288
 GI none
 Exons 1288..1395, 1289..1387, 1378..1452, 1382..1465, 1475..1561

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Maize
 End 1561
 Score 99

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o1.tw
 Start 1331
 GI none
 Exons 1331..1789, 1351..1440, 1492..1620, 1820..1945

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Wheat
 End 1945
 Score 366

Seq. No. 7415
 Gene No. 15656
 Start 2287
 Name OJ990331_01.9922.C9.o2.tm
 Start 1643
 GI none
 Exons 1643..1825, 1699..1824, 1804..1905, 1805..1906

Seq. ID OJ990331_01.9922.C9
 Strand -
 End 5299
 Method TBLASTX:Maize
 End 1906
 Score 164

Seq. No. 7415
 Gene No. 15656

Seq. ID OJ990331_01.9922.C9
 Strand -

Start	2287	End	5299
Name	OJ990331_01.9922.C9.o2.gs	Method	GENSCAN
Start	2287	End	5125
GI	none	Score	.91
Exons	2287..2570, 2603..2737, 2987..3176, 3251..3450, 3517..3651, 3739..3875, 3952..4244, 4331..5125		

Seq. No.	7415	Seq. ID	OJ990331_01.9922.C9
Gene No.	15656	Strand	-
Start	2287	End	5299
Name	OJ990331_01.9922.C9.o2.np	Method	AAT/NAP
Start	2290	End	5299
GI	6691716	Score	2247
Exons	2290..2737, 2811..2924, 3074..3176, 3251..3438, 3517..3692, 3769..3875, 3952..4134, 4339..5125, 5212..5299		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7415	Seq. ID	OJ990331_01.9922.C9
Gene No.	15656	Strand	-
Start	2287	End	5299
Name	OJ990331_01.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	4805	End	5095
GI	none	Score	52
Exons	4805..5095, 4842..4919		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15657	Strand	+
Start	4730	End	5140
Name	OJ990331_01.9922.C10.o1.gp	Method	AAT/GAP
Start	4730	End	5140
GI	5816562	Score	696
Exons	4730..5140		
GI Descrip.	6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15658	Strand	+
Start	16329	End	19052
Name	OJ990331_01.9922.C10.o5.np	Method	AAT/NAP
Start	16329	End	19052
GI	3928760	Score	363
Exons	16329..16406, 17041..17221, 17342..17547, 17823..18018, 18887..19052		
GI Descrip.	(AB011797) homolog to plastid-lipid-associated protein [Citrus unshiu]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15658	Strand	+
Start	16329	End	19052
Name	OJ990331_01.9922.C10.o5.gp	Method	AAT/GAP
Start	17886	End	19052
GI	12003_1.R1084	Score	545
Exons	17886..18018, 18887..19052		
GI Descrip.	'4105180 8.0e-42 (AF043905) plastoglobule associated protein PG1 precursor [Pisum sativum]'		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	1663
GI	6907086	Score	1076
Exons	1..203, 318..427, 653..838, 898..1663		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o1.gs	Method	GENSCAN
Start	915	End	13264
GI	none	Score	.65
Exons	915..1393, 1450..1496, 2391..2783, 3199..3311, 3572..3726, 7676..8153, 9027..9122, 9224..9492, 9643..9817, 9889..10104, 10205..10312, 10406..10930, 11017..11205, 11310..11427, 11564..11823, 11907..12084, 12240..12309, 12382..12537, 12701..12897, 13089..13264		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o2.np	Method	AAT/NAP
Start	2367	End	5755
GI	4680186	Score	223
Exons	2367..2787, 3291..3354, 5717..5755		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o3.np	Method	AAT/NAP
Start	3571	End	3687
GI	5902448	Score	139
Exons	3571..3687		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o2.gp	Method	AAT/GAP
Start	7345	End	8074
GI	3763735	Score	1375
Exons	7345..8074		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	7662	End	8164
GI	none	Score	178
Exons	7662..7838, 7666..7827, 7699..7839, 7701..7835, 7957..8019, 7981..8154, 7992..8159, 8081..8164		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o4.np	Method	AAT/NAP
Start	7683	End	13064
GI	2245130	Score	917
Exons	7683..7828, 7931..8153, 9224..9504, 9631..9817, 9889..10032, 10205..10312, 10406..10669, 10913..11052, 11089..11205, 11310..11427, 11558..11693, 12888..13064		
GI Descrip.	(Z97344) GLABRA2 like protein [Arabidopsis thaliana]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	7713	End	11427
GI	none	Score	66
Exons	7713..7829, 7992..8147, 9027..9107, 9028..9120, 9224..9391, 9240..9335, 9284..9496, 9648..9794, 9656..9784, 9791..9820, 9795..9818, 9886..9975, 9997..10020, 10021..10104, 10409..10480, 10544..10669, 11009..11206, 11014..11211, 11310..11426, 11310..11423, 11311..11427		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o3.gp	Method	AAT/GAP
Start	7906	End	9387
GI	4968815	Score	635
Exons	7906..8153, 9027..9122, 9224..9387		
GI Descrip.	4325343/gb AAD17342 4.0e-19 (AF128393) contains similarity to homeobox domains (Pfam: PF00046, Score,36.5, E=6.9e-08, N=1) [Arabidopsis thaliana]		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	9033	End	10105
GI	none	Score	83
Exons	9033..9107, 9224..9334, 9383..9484, 9672..9794, 9677..9784, 9886..9960, 9887..9946, 9982..10020, 10021..10104, 10022..10105		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	9251	End	9472
GI	none	Score	153
Exons	9251..9472, 9279..9467		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	9656	End	10669
GI	none	Score	58

Exons 9656..9784, 9791..9820, 9886..9975, 9887..9988, 9997..10020,
10021..10104, 10022..10105, 10409..10480, 10580..10669

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	11014	End	11384
GI	none	Score	69
Exons	11014..11211, 11093..11203, 11310..11384		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	11032	End	11426
GI	none	Score	65
Exons	11032..11211, 11093..11200, 11305..11424, 11310..11423, 11310..11426, 11311..11424		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15659	Strand	-
Start	1	End	13264
Name	OJ990331_01.9922.C10.o4.gp	Method	AAT/GAP
Start	11602	End	12141
GI	none	Score	838
Exons	11602..11823, 11907..12141		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15660	Strand	-
Start	17379	End	19052
Name	OJ990331_01.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	17379	End	19052
GI	none	Score	66
Exons	17379..17426, 17381..17548, 17381..17431, 17386..17547, 17533..17562, 17814..18020, 17823..18020, 17824..18024, 17824..18024, 18880..19047, 18881..19045, 18882..19052		

Seq. No.	7416	Seq. ID	OJ990331_01.9922.C10
Gene No.	15660	Strand	-
Start	17379	End	19052
Name	OJ990331_01.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	17931	End	19052
GI	none	Score	215
Exons	17931..18020, 18880..19050, 18881..19051, 18882..19052		

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	9684
GI	3152582	Score	2038
Exons	1..40, 1151..1778, 3122..3334, 4036..4250, 4449..4539, 4774..4848, 5195..5365, 5433..5618, 5729..5935, 5996..6216, 6348..6409, 6521..6711, 7424..7870, 8580..8888, 9182..9344, 9461..9684		

GI Descrip. (AC002986) YUP8H12R.20 [Arabidopsis thaliana]

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o1.gs	Method	GENSCAN
Start	1143	End	11945
GI	none	Score	.7
Exons	1143..1805, 3122..3334, 4396..4539, 4774..4848, 5195..5353, 5439..5618, 5729..6216, 6348..6711, 6784..6916, 6996..7126, 7220..7327, 7424..7870, 8398..8487, 8580..8888, 9182..9293, 9542..9702, 9725..9934, 10512..10599, 11852..11945		

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	1592	End	4850
GI	none	Score	58
Exons	1592..1633, 1593..1634, 1593..1649, 1650..1778, 1651..1779, 3104..3340, 3122..3337, 3123..3341, 3124..3342, 3124..3348, 4036..4230, 4036..4233, 4037..4234, 4762..4848, 4773..4850, 4775..4837		

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	5723	End	6157
GI	none	Score	47
Exons	5723..5779, 5804..5908, 5805..5909, 5990..6157, 6003..6128		

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	6332	End	6622
GI	none	Score	74
Exons	6332..6406, 6346..6426, 6347..6406, 6424..6621, 6424..6621, 6425..6622		

Seq. No.	7417	Seq. ID	OJ990331_01.9922.C11
Gene No.	15661	Strand	-
Start	1	End	11945
Name	OJ990331_01.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	6779	End	7089
GI	none	Score	112
Exons	6779..6931, 6781..6930, 6989..7087, 6989..7087, 6994..7089		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15662	Strand	+
Start	131	End	5679
Name	OJ990331_01.9922.C12.o1.gs	Method	GENSCAN
Start	131	End	4225
GI	none	Score	.45
Exons	131..315, 764..814, 1004..1035, 3477..3613, 3737..4095, 4194..4225		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15662	Strand	+
Start	131	End	5679
Name	OJ990331_01.9922.C12.o2.gp	Method	AAT/GAP
Start	3746	End	5679
GI	none	Score	1216
Exons	3746..4095, 4194..4258, 5452..5679		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15663	Strand	-
Start	2691	End	3605
Name	OJ990331_01.9922.C12.o1.gp	Method	AAT/GAP
Start	2691	End	3605
GI	none	Score	1171
Exons	2691..3078, 3253..3363, 3451..3605		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15664	Strand	
Start	3804	End	4268
Name	OJ990331_01.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	3804	End	4073
GI	none	Score	396
Exons	3804..4073, 3806..4072		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15664	Strand	
Start	3804	End	4268
Name	OJ990331_01.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3807	End	4268
GI	none	Score	441
Exons	3807..4106, 3887..4102, 4193..4234, 4212..4268, 4235..4261		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15664	Strand	
Start	3804	End	4268
Name	OJ990331_01.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	3848	End	4102
GI	none	Score	77
Exons	3848..3931, 3870..4100, 3887..4102		

Seq. No.	7418	Seq. ID	OJ990331_01.9922.C12
Gene No.	15664	Strand	
Start	3804	End	4268
Name	OJ990331_01.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	3867	End	4102
GI	none	Score	353
Exons	3867..4100, 3887..4102		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15665	Strand	+
Start	12762	End	14422
Name	OJ990331_01.9922.C13.o6.gs	Method	GENSCAN
Start	12762	End	14422
GI	none	Score	.89
Exons	12762..12837, 12887..13206, 13334..13477, 13869..13976, 14026..14202, 14240..14422		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15666	Strand	-
Start	2285	End	3442
Name	OJ990331_01.9922.C13.o1.gs	Method	GENSCAN
Start	2285	End	3313
GI	none	Score	1
Exons	2285..3313		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15666	Strand	-
Start	2285	End	3442
Name	OJ990331_01.9922.C13.o1.np	Method	AAT/NAP
Start	2327	End	3292
GI	3660465	Score	916
Exons	2327..3292		
GI Descrip.	(AJ001753) Inositol 1,3,4-Trisphosphate 5/6 kinase [Arabidopsis thaliana]		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15666	Strand	-
Start	2285	End	3442
Name	OJ990331_01.9922.C13.o1.gp	Method	AAT/GAP
Start	2892	End	3442
GI	42616_1.R1084	Score	947
Exons	2892..3442		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15667	Strand	-
Start	5916	End	6340
Name	OJ990331_01.9922.C13.o2.gs	Method	GENSCAN
Start	5916	End	6340
GI	none	Score	.64
Exons	5916..6223, 6283..6340		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	2339	End	3376
GI	none	Score	101
Exons	2339..2578, 2346..2540, 2657..2941, 2658..2948, 2966..3028, 3074..3376, 3114..3239		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	2339	End	3280
GI	none	Score	95
Exons	2339..2596, 2348..2449, 2352..2540, 2633..2947, 2634..2948, 2972..3241, 3224..3280		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059

Name	OJ990331_01.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	2358	End	3271
GI	none	Score	84
Exons	2358..2474, 2360..2548, 2660..2926, 2667..2870, 3074..3271		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	7083	End	7472
GI	none	Score	155
Exons	7083..7112, 7144..7353, 7144..7248, 7155..7349, 7410..7472		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	7191	End	7814
GI	none	Score	202
Exons	7191..7361, 7452..7814		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o2.np	Method	AAT/NAP
Start	7305	End	11984
GI	6815097	Score	3523
Exons	7305..8076, 8216..9885, 10000..10564, 11061..11984		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	7473	End	7797
GI	none	Score	245
Exons	7473..7796, 7474..7797		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	8244	End	8643
GI	5509260	Score	64
Exons	8244..8318, 8398..8643, 8494..8613		
GI Descrip.	-		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o4.gs	Method	GENSCAN
Start	8692	End	10657
GI	none	Score	.8
Exons	8692..9980, 10153..10657		

Seq. No.	7419	Seq. ID	OJ990331_01.9922.C13
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Gene No.	15668	Strand	-
Start	7305	End	12059
Name	OJ990331_01.9922.C13.o5.gs	Method	GENSCAN
Start	10950	End	12059
GI	none	Score	.54
Exons	10950..11429, 11472..12059		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	1045
GI	6721543	Score	172
Exons	1..114, 929..1045		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o1.gp	Method	AAT/GAP
Start	2	End	164
GI	7406_1.R1084	Score	201
Exons	2..164		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o1.gs	Method	GENSCAN
Start	605	End	6651
GI	none	Score	.51
Exons	605..1160, 1219..1527, 1710..3233, 3609..3759, 3865..4201, 4286..4696, 4789..4809, 4876..5087, 5164..5422, 5515..5697, 5763..5800, 5891..6022, 6086..6133, 6138..6340, 6491..6651		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o2.np	Method	AAT/NAP
Start	1058	End	6372
GI	5441880	Score	4643
Exons	1058..2063, 2508..2539, 2798..3113, 3609..3759, 3865..4201, 4789..5087, 5164..5422, 5667..5740, 5777..5800, 5891..6022, 6138..6372		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o2.gp	Method	AAT/GAP
Start	1662	End	2093
GI	5701669	Score	841
Exons	1662..2093		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o3.gp	Method	AAT/GAP
Start	4915	End	5414
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4915..5087, 5164..5414		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15669	Strand	+
Start	1	End	6929
Name	OJ990331_01.9922.C14.o4.gp	Method	AAT/GAP
Start	6476	End	6929
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	6476..6929		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15670	Strand	-
Start	6076	End	7290
Name	OJ990331_01.9922.C14.o3.np	Method	AAT/NAP
Start	6076	End	7290
GI	6721543	Score	95
Exons	6076..6116, 6435..6510, 7162..7290		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15670	Strand	-
Start	6076	End	7290
Name	OJ990331_01.9922.C14.o5.gp	Method	AAT/GAP
Start	6872	End	7276
GI	7406_1.R1084	Score	651
Exons	6872..7276		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1624	End	2215
GI	none	Score	272
Exons	1624..1725, 1781..2080, 1798..2019, 2144..2215		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	1913	End	2293
GI	none	Score	208

Exons 1913..2107, 1922..2119, 2113..2232, 2117..2293, 2117..2263

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o7.gp	Method	AAT/GAP
Start	7823	End	8203
GI	427413	Score	746
Exons	7823..8203		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o4.np	Method	AAT/NAP
Start	8122	End	8668
GI	2894603	Score	307
Exons	8122..8235, 8338..8668		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o2.gs	Method	GENSCAN
Start	8130	End	9096
GI	none	Score	.95
Exons	8130..8235, 8338..8845, 8895..9096		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	8202	End	8588
GI	none	Score	104
Exons	8202..8231, 8340..8579, 8388..8588		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	8202	End	8588
GI	none	Score	254
Exons	8202..8237, 8340..8588, 8388..8588		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	8202	End	8588
GI	none	Score	62
Exons	8202..8234, 8334..8585, 8388..8588, 8481..8558		

Seq. No.	7420	Seq. ID	OJ990331_01.9922.C14
Gene No.	15671	Strand	-
Start	8130	End	9096
Name	OJ990331_01.9922.C14.o8.gp	Method	AAT/GAP
Start	8632	End	8933
GI	uC-osf1M202051e03b1	Score	528

Exons 8632..8933
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450
 [Arabidopsis thaliana]'

Seq. No.	7421	Seq. ID	OJ990331_01.9922.C16
Gene No.	15672	Strand	-
Start	96	End	1006
Name	OJ990331_01.9922.C16.o1.gs	Method	GENSCAN
Start	96	End	1006
GI	none	Score	.68
Exons	96..202, 247..301, 942..1006		

Seq. No.	7422	Seq. ID	OJ990331_01.9922.C17
Gene No.	15673	Strand	-
Start	88	End	310
Name	OJ990331_01.9922.C17.o1.gs	Method	GENSCAN
Start	88	End	310
GI	none	Score	.47
Exons	88..310		

Seq. No.	7423	Seq. ID	OJ990421_04.9919.C1
Gene No.	15674	Strand	-
Start	1	End	1311
Name	OJ990421_04.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	6721561	Score	1021
Exons	1..654, 720..778, 849..1104		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7423	Seq. ID	OJ990421_04.9919.C1
Gene No.	15674	Strand	-
Start	1	End	1311
Name	OJ990421_04.9919.C1.o2.np	Method	AAT/NAP
Start	8	End	1311
GI	6721558	Score	130
Exons	8..124, 381..464, 1098..1311		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7424	Seq. ID	OJ990421_04.9919.C4
Gene No.	15675	Strand	-
Start	1	End	660
Name	OJ990421_04.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5902445	Score	715
Exons	1..605		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7424	Seq. ID	OJ990421_04.9919.C4
Gene No.	15675	Strand	-
Start	1	End	660
Name	OJ990421_04.9919.C4.o2.tw	Method	TBLASTX:Wheat

Start 1
 GI none
 Exons 1..105, 2..64, 6..197, 6..203

End 203
 Score 45

Seq. No. 7424
 Gene No. 15675
 Start 1
 Name OJ990421_04.9919.C4.o1.gs
 Start 126
 GI none
 Exons 126..416

Seq. ID OJ990421_04.9919.C4
 Strand -
 End 660
 Method GENSCAN
 End 416
 Score .76

Seq. No. 7424
 Gene No. 15675
 Start 1
 Name OJ990421_04.9919.C4.o1.tm
 Start 174
 GI none
 Exons 174..530, 175..468, 225..476

Seq. ID OJ990421_04.9919.C4
 Strand -
 End 660
 Method TBLASTX:Maize
 End 530
 Score 227

Seq. No. 7424
 Gene No. 15675
 Start 1
 Name OJ990421_04.9919.C4.o1.tw
 Start 204
 GI none
 Exons 204..659, 205..660, 330..416

Seq. ID OJ990421_04.9919.C4
 Strand -
 End 660
 Method TBLASTX:Wheat
 End 660
 Score 389

Seq. No. 7424
 Gene No. 15675
 Start 1
 Name OJ990421_04.9919.C4.o1.ts
 Start 255
 GI none
 Exons 255..389, 396..620

Seq. ID OJ990421_04.9919.C4
 Strand -
 End 660
 Method TBLASTX:Soybean
 End 620
 Score 99

Seq. No. 7425
 Gene No. 15676
 Start 72
 Name OJ990421_04.9919.C5.o1.gs
 Start 72
 GI none
 Exons 72..146, 162..752, 858..1004

Seq. ID OJ990421_04.9919.C5
 Strand +
 End 1004
 Method GENSCAN
 End 1004
 Score .88

Seq. No. 7425
 Gene No. 15677
 Start 1
 Name OJ990421_04.9919.C5.o1.np
 Start 1
 GI 5042454
 Exons 1..302, 552..667, 970..1085
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. ID OJ990421_04.9919.C5
 Strand -
 End 1085
 Method AAT/NAP
 End 1085
 Score 234

Seq. No. 7426
 Gene No. 15678
 Start 1
 Name OJ990421_04.9919.C6.o1.np

Seq. ID OJ990421_04.9919.C6
 Strand +
 End 977
 Method AAT/NAP

Start	1	End	977
GI	6721512	Score	123
Exons	1..255, 283..412, 454..572, 895..977		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	7427	Seq. ID	OJ990421_04.9919.C7
Gene No.	15679	Strand	-
Start	43	End	546
Name	OJ990421_04.9919.C7.ol.gs	Method	GENSCAN
Start	43	End	546
GI	none	Score	.43
Exons	43..223, 464..546		

Seq. No.	7428	Seq. ID	OJ990421_04.9919.C10
Gene No.	15680	Strand	+
Start	202	End	470
Name	OJ990421_04.9919.C10.ol.gs	Method	GENSCAN
Start	202	End	470
GI	none	Score	.41
Exons	202..276, 378..470		

Seq. No.	7429	Seq. ID	OJ990421_04.9919.C13
Gene No.	15681	Strand	+
Start	58	End	1443
Name	OJ990421_04.9919.C13.ol.gp	Method	AAT/GAP
Start	58	End	379
GI	2312652	Score	511
Exons	58..379		
GI Descrip.	4521194/dbj AB013613.1 AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	7429	Seq. ID	OJ990421_04.9919.C13
Gene No.	15681	Strand	+
Start	58	End	1443
Name	OJ990421_04.9919.C13.ol.gs	Method	GENSCAN
Start	188	End	1443
GI	none	Score	.71
Exons	188..302, 931..1006, 1362..1443		

Seq. No.	7430	Seq. ID	OJ990421_04.9919.C14
Gene No.	15682	Strand	+
Start	287	End	339
Name	OJ990421_04.9919.C14.ol.gs	Method	GENSCAN
Start	287	End	339
GI	none	Score	.51
Exons	287..339		

Seq. No.	7431	Seq. ID	OJ990421_04.9919.C15
Gene No.	15683	Strand	+
Start	1	End	434
Name	OJ990421_04.9919.C15.ol.np	Method	AAT/NAP
Start	1	End	434
GI	6815099	Score	87
Exons	1..37, 296..434		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7432	Seq. ID	OJ990421_04.9919.C16
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Gene No.	15684	Strand	+
Start	1	End	781
Name	OJ990421_04.9919.C16.o1.np	Method	AAT/NAP
Start	1	End	235
GI	6478216	Score	180
Exons	1..235		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	7432	Seq. ID	OJ990421_04.9919.C16
Gene No.	15684	Strand	+
Start	1	End	781
Name	OJ990421_04.9919.C16.o2.np	Method	AAT/NAP
Start	1	End	781
GI	122779	Score	191
Exons	1..65, 578..781		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi 82542 pir S05118 hypothetical protein 230 - rice chloroplast gi 11999 emb CAA33960 (X15901) ORF230 [Oryza sativa] gi 226620 prf 1603356AT ORF 230 [Oryza sativa]		

Seq. No.	7432	Seq. ID	OJ990421_04.9919.C16
Gene No.	15684	Strand	+
Start	1	End	781
Name	OJ990421_04.9919.C16.o1.gp	Method	AAT/GAP
Start	50	End	434
GI	72092_1.R1084	Score	713
Exons	50..434		
GI Descrip.	'2792155/emb CAA11226 1.0e-30 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	7432	Seq. ID	OJ990421_04.9919.C16
Gene No.	15684	Strand	+
Start	1	End	781
Name	OJ990421_04.9919.C16.o1.tm	Method	TBLASTX:Maize
Start	50	End	260
GI	none	Score	215
Exons	50..238, 56..232, 57..260		

Seq. No.	7432	Seq. ID	OJ990421_04.9919.C16
Gene No.	15684	Strand	+
Start	1	End	781
Name	OJ990421_04.9919.C16.o1.ts	Method	TBLASTX:Soybean
Start	53	End	265
GI	none	Score	203
Exons	53..265		

Seq. No.	7433	Seq. ID	OJ990421_04.9919.C17
Gene No.	15685	Strand	+
Start	1	End	545
Name	OJ990421_04.9919.C17.o1.np	Method	AAT/NAP
Start	1	End	324
GI	6478216	Score	218
Exons	1..22, 89..324		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	7433	Seq. ID	OJ990421_04.9919.C17
Gene No.	15685	Strand	+
Start	1	End	545
Name	OJ990421_04.9919.C17.o1.tm	Method	TBLASTX:Maize
Start	96	End	318
GI	none	Score	100
Exons	96..314, 100..318, 100..315		
Seq. No.	7433	Seq. ID	OJ990421_04.9919.C17
Gene No.	15685	Strand	+
Start	1	End	545
Name	OJ990421_04.9919.C17.o1.ts	Method	TBLASTX:Soybean
Start	100	End	316
GI	none	Score	257
Exons	100..315, 102..173, 281..316		
Seq. No.	7433	Seq. ID	OJ990421_04.9919.C17
Gene No.	15685	Strand	+
Start	1	End	545
Name	OJ990421_04.9919.C17.o1.gp	Method	AAT/GAP
Start	103	End	545
GI	uC-osroM202038c10a1	Score	865
Exons	103..545		
GI Descrip.	'2792155/emb CAA11226 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'		
Seq. No.	7433	Seq. ID	OJ990421_04.9919.C17
Gene No.	15685	Strand	+
Start	1	End	545
Name	OJ990421_04.9919.C17.o1.gs	Method	GENSCAN
Start	103	End	324
GI	none	Score	.59
Exons	103..324		
Seq. No.	7434	Seq. ID	OJ990421_04.9919.C18
Gene No.	15686	Strand	+
Start	1	End	431
Name	OJ990421_04.9919.C18.o1.np	Method	AAT/NAP
Start	1	End	431
GI	5777623	Score	290
Exons	1..46, 205..431		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		
Seq. No.	7435	Seq. ID	OJ990421_04.9919.C23
Gene No.	15687	Strand	-
Start	1	End	328
Name	OJ990421_04.9919.C23.o1.np	Method	AAT/NAP
Start	1	End	328
GI	4406778	Score	355
Exons	1..328		
GI Descrip.	(AC006532) putative receptor protein kinase [Arabidopsis thaliana]		
Seq. No.	7435	Seq. ID	OJ990421_04.9919.C23
Gene No.	15687	Strand	-
Start	1	End	328
Name	OJ990421_04.9919.C23.o1.tc	Method	TBLASTX:Cress

Start	3	End	317
GI	none	Score	85
Exons	3..149, 6..188, 7..234, 15..317		

Seq. No.	7435	Seq. ID	OJ990421_04.9919.C23
Gene No.	15687	Strand	-
Start	1	End	328
Name	OJ990421_04.9919.C23.ol.tm	Method	TBLASTX:Maize
Start	3	End	320
GI	none	Score	54
Exons	3..320, 6..317, 6..278, 6..317, 7..165, 27..317, 79..165		

Seq. No.	7435	Seq. ID	OJ990421_04.9919.C23
Gene No.	15687	Strand	-
Start	1	End	328
Name	OJ990421_04.9919.C23.ol.ts	Method	TBLASTX:Soybean
Start	6	End	317
GI	none	Score	108
Exons	6..209, 6..209, 7..210, 69..278, 129..317, 168..317		

Seq. No.	7435	Seq. ID	OJ990421_04.9919.C23
Gene No.	15687	Strand	-
Start	1	End	328
Name	OJ990421_04.9919.C23.ol.gs	Method	GENSCAN
Start	46	End	326
GI	none	Score	.99
Exons	46..326		

Seq. No.	7436	Seq. ID	OJ990421_04.9919.C28
Gene No.	15688	Strand	-
Start	1	End	559
Name	OJ990421_04.9919.C28.ol.np	Method	AAT/NAP
Start	1	End	559
GI	6498441	Score	354
Exons	1..559		
GI Descrip.	(AP000815). EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7436	Seq. ID	OJ990421_04.9919.C28
Gene No.	15688	Strand	-
Start	1	End	559
Name	OJ990421_04.9919.C28.ol.tw	Method	TBLASTX:Wheat
Start	111	End	479
GI	none	Score	79
Exons	111..479, 178..432		

Seq. No.	7436	Seq. ID	OJ990421_04.9919.C28
Gene No.	15688	Strand	-
Start	1	End	559
Name	OJ990421_04.9919.C28.ol.gs	Method	GENSCAN
Start	243	End	498
GI	none	Score	.95
Exons	243..498		

Seq. No.	7437	Seq. ID	OJ990421_04.9919.C29
Gene No.	15689	Strand	+

Start	185	End	489
Name	OJ990421_04.9919.C29.o1.gp	Method	AAT/GAP
Start	185	End	489
GI	LIB3432-016-P1-K1-B4	Score	466
Exons	185..489		
GI Descrip.	'671740/emb CAA59218 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	7438	Seq. ID	OJ990421_04.9919.C30
Gene No.	15690	Strand	-
Start	399	End	474
Name	OJ990421_04.9919.C30.o1.gs	Method	GENSCAN
Start	399	End	474
GI	none	Score	.63
Exons	399..474		

Seq. No.	7439	Seq. ID	OJ990421_04.9919.C32
Gene No.	15691	Strand	+
Start	1	End	750
Name	OJ990421_04.9919.C32.o1.np	Method	AAT/NAP
Start	1	End	750
GI	6815099	Score	83
Exons	1..114, 635..750		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7440	Seq. ID	OJ990421_04.9919.C37
Gene No.	15692	Strand	-
Start	1	End	319
Name	OJ990421_04.9919.C37.o1.gp	Method	AAT/GAP
Start	1	End	319
GI	none	Score	431
Exons	1..319		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15693	Strand	+
Start	1	End	1209
Name	OJ990421_04.9919.C38.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	2443320	Score	1672
Exons	1..1209		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o1.tw	Method	TBLASTX:Wheat
Start	6	End	612
GI	none	Score	70
Exons	6..149, 6..158, 7..162, 7..162, 132..596, 148..612		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o2.tm	Method	TBLASTX:Maize
Start	7	End	351
GI	none	Score	199
Exons	7..351		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o1.tm	Method	TBLASTX:Maize
Start	406	End	705
GI	none	Score	238
Exons	406..705, 495..674		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o1.ts	Method	TBLASTX:Soybean
Start	583	End	1167
GI	none	Score	183
Exons	583..945, 982..1167		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o2.tw	Method	TBLASTX:Wheat
Start	685	End	1172
GI	none	Score	428
Exons	685..1167, 686..841, 690..1049, 691..1149, 1089..1172		

Seq. No.	7441	Seq. ID	OJ990421_04.9919.C38
Gene No.	15694	Strand	+
Start	4437	End	4802
Name	OJ990421_04.9919.C38.o2.np	Method	AAT/NAP
Start	4437	End	4802
GI	4680203	Score	133
Exons	4437..4802		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7442	Seq. ID	OJ990421_04.9919.C39
Gene No.	15695	Strand	-
Start	459	End	503
Name	OJ990421_04.9919.C39.o1.gs	Method	GENSCAN
Start	459	End	503
GI	none	Score	.72
Exons	459..503		

Seq. No.	7443	Seq. ID	OJ990421_04.9919.C40
Gene No.	15696	Strand	+
Start	2118	End	4943
Name	OJ990421_04.9919.C40.o1.np	Method	AAT/NAP
Start	2118	End	4943
GI	5803275	Score	323
Exons	2118..2366, 2491..2550, 4834..4943		
GI Descrip.	(AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]		

Seq. No.	7443	Seq. ID	OJ990421_04.9919.C40
Gene No.	15696	Strand	+
Start	2118	End	4943
Name	OJ990421_04.9919.C40.o2.gs	Method	GENSCAN

Start 3159
GI none
Exons 3159..4271

End 4271
Score 1

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o1.tm Method TBLASTX:Maize
Start 2139 End 2560
GI none Score 43
Exons 2139..2171, 2170..2238, 2171..2239, 2193..2243, 2236..2367,
2238..2366, 2453..2560, 2494..2517

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o2.ts Method TBLASTX:Soybean
Start 2158 End 2361
GI none Score 77
Exons 2158..2238, 2171..2239, 2236..2361, 2238..2357

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o2.tc Method TBLASTX:Cress
Start 2170 End 2517
GI none Score 85
Exons 2170..2253, 2171..2251, 2236..2289, 2299..2361, 2301..2366,
2491..2517

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o2.np Method AAT/NAP
Start 6150 End 8575
GI 4680207 Score 643
Exons 6150..6319, 6888..8575
GI Descrip. (AF114171) disease resistance protein RPM1 homolog [Sorghum
bicolor]

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o3.gs Method GENSCAN
Start 6870 End 8225
GI none Score .59
Exons 6870..7982, 8063..8225

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40
Gene No. 15697 Strand -
Start 6150 End 8575
Name OJ990421_04.9919.C40.o2.tw Method TBLASTX:Wheat
Start 7638 End 7887
GI none Score 101
Exons 7638..7886, 7639..7887

Seq. No. 7443 Seq. ID OJ990421_04.9919.C40

Gene No.	15697	Strand	-
Start	6150	End	8575
Name	OJ990421_04.9919.C40.o1.ts	Method	TBLASTX:Soybean
Start	7704	End	8571
GI	none	Score	54
Exons	7704..7871, 8117..8284, 8282..8425, 8295..8414, 8496..8567, 8497..8571		

Seq. No.	7443	Seq. ID	OJ990421_04.9919.C40
Gene No.	15697	Strand	-
Start	6150	End	8575
Name	OJ990421_04.9919.C40.o1.tc	Method	TBLASTX:Cress
Start	8087	End	8574
GI	none	Score	68
Exons	8087..8257, 8279..8428, 8298..8420, 8439..8555, 8485..8574		

Seq. No.	7443	Seq. ID	OJ990421_04.9919.C40
Gene No.	15697	Strand	-
Start	6150	End	8575
Name	OJ990421_04.9919.C40.o1.tw	Method	TBLASTX:Wheat
Start	8102	End	8398
GI	none	Score	59
Exons	8102..8284, 8288..8398, 8292..8381		

Seq. No.	7443	Seq. ID	OJ990421_04.9919.C40
Gene No.	15697	Strand	-
Start	6150	End	8575
Name	OJ990421_04.9919.C40.o2.tm	Method	TBLASTX:Maize
Start	8117	End	8568
GI	none	Score	56
Exons	8117..8272, 8282..8425, 8291..8425, 8490..8567, 8503..8568		

Seq. No.	7444	Seq. ID	OJ990421_04.9919.C42
Gene No.	15698	Strand	-
Start	289	End	413
Name	OJ990421_04.9919.C42.o1.gs	Method	GENSCAN
Start	289	End	413
GI	none	Score	.86
Exons	289..413		

Seq. No.	7445	Seq. ID	OJ990421_04.9919.C43
Gene No.	15699	Strand	-
Start	1183	End	4080
Name	OJ990421_04.9919.C43.o1.gs	Method	GENSCAN
Start	1183	End	4080
GI	none	Score	.66
Exons	1183..1352, 1477..1623, 1897..2110, 3478..3506, 4056..4080		

Seq. No.	7446	Seq. ID	OJ990421_04.9919.C44
Gene No.	15700	Strand	+
Start	1	End	3464
Name	OJ990421_04.9919.C44.o1.np	Method	AAT/NAP
Start	1	End	3464
GI	4415925	Score	233
Exons	1..340, 2222..2396, 3053..3464		
GI Descrip.	(AC006282) putative glucosyl transferase [Arabidopsis thaliana]		

Seq. No.	7446	Seq. ID	OJ990421_04.9919.C44
Gene No.	15700	Strand	+
Start	1	End	3464
Name	OJ990421_04.9919.C44.o1.gs	Method	GENSCAN
Start	191	End	782
GI	none	Score	.91
Exons	191..218, 571..782		

Seq. No.	7446	Seq. ID	OJ990421_04.9919.C44
Gene No.	15701	Strand	-
Start	1488	End	3510
Name	OJ990421_04.9919.C44.o1.tm	Method	TBLASTX:Maize
Start	1160	End	1853
GI	none	Score	36
Exons	1160..1261, 1178..1279, 1314..1412, 1322..1429, 1323..1412, 1325..1429, 1326..1439, 1327..1395, 1327..1428, 1327..1395, 1327..1437, 1329..1436, 1453..1596, 1455..1610, 1456..1599, 1456..1605, 1458..1619, 1460..1651, 1461..1613, 1467..1568, 1483..1563, 1548..1640, 1548..1640, 1549..1641, 1637..1720, 1660..1728, 1674..1721, 1676..1723, 1678..1722, 1684..1728, 1728..1853, 1728..1820, 1735..1782, 1735..1851		

Seq. No.	7446	Seq. ID	OJ990421_04.9919.C44
Gene No.	15701	Strand	-
Start	1488	End	3510
Name	OJ990421_04.9919.C44.o2.gs	Method	GENSCAN
Start	1488	End	3510
GI	none	Score	.57
Exons	1488..1625, 2243..2420, 3098..3312, 3353..3510		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15702	Strand	+
Start	1	End	3207
Name	OJ990421_04.9919.C45.o1.np	Method	AAT/NAP
Start	1	End	3207
GI	6063554	Score	341
Exons	1..121, 1368..1542, 1655..1894, 2367..2394, 3032..3207		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15702	Strand	+
Start	1	End	3207
Name	OJ990421_04.9919.C45.o1.gp	Method	AAT/GAP
Start	1634	End	1858
GI	none	Score	395
Exons	1634..1858		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15702	Strand	+
Start	1	End	3207
Name	OJ990421_04.9919.C45.o2.gp	Method	AAT/GAP
Start	1861	End	2590
GI	101153_1.R1084	Score	418
Exons	1861..1892, 2367..2590		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15703	Strand	+
Start	4788	End	6113
Name	OJ990421_04.9919.C45.o2.gs	Method	GENSCAN
Start	4788	End	6113
GI	none	Score	1
Exons	4788..6113		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15704	Strand	-
Start	3577	End	3871
Name	OJ990421_04.9919.C45.o3.gp	Method	AAT/GAP
Start	3577	End	3871
GI	61605.3.R1084	Score	475
Exons	3577..3871		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15705	Strand	
Start	4872	End	5630
Name	OJ990421_04.9919.C45.o1.tm	Method	TBLASTX:Maize
Start	4872	End	5291
GI	none	Score	131
Exons	4872..5033, 4928..5041, 5024..5119, 5049..5141, 5211..5291, 5225..5290		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15705	Strand	
Start	4872	End	5630
Name	OJ990421_04.9919.C45.o1.ts	Method	TBLASTX:Soybean
Start	4935	End	5630
GI	none	Score	74
Exons	4935..5021, 5040..5120, 5211..5414, 5228..5404, 5553..5630		

Seq. No.	7447	Seq. ID	OJ990421_04.9919.C45
Gene No.	15705	Strand	
Start	4872	End	5630
Name	OJ990421_04.9919.C45.o1.tw	Method	TBLASTX:Wheat
Start	4950	End	5356
GI	none	Score	77
Exons	4950..5045, 4965..5030, 5010..5111, 5025..5162, 5208..5339, 5220..5333, 5222..5356		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15706	Strand	+
Start	12629	End	14054
Name	OJ990421_04.9919.C46.o2.np	Method	AAT/NAP
Start	12629	End	14054
GI	5852084	Score	83
Exons	12629..12660, 13971..14054		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15707	Strand	+

Start	17135	End	17504
Name	OJ990421_04.9919.C46.o1.gp	Method	AAT/GAP
Start	17135	End	17504
GI	none	Score	509
Exons	17135..17504		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15708	Strand	-
Start	1753	End	20347
Name	OJ990421_04.9919.C46.o1.gs	Method	GENSCAN
Start	1753	End	20347
GI	none	Score	.52
Exons	1753..1848, 2185..2368, 2832..3290, 3373..3669, 4004..4955, 5193..5227, 5338..5478, 5882..6026, 7499..7638, 7730..8113, 14360..14495, 19306..19427, 19757..19948, 20033..20087, 20269..20347		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15708	Strand	-
Start	1753	End	20347
Name	OJ990421_04.9919.C46.o1.np	Method	AAT/NAP
Start	2774	End	4329
GI	4883617	Score	1068
Exons	2774..3290, 3373..3669, 4004..4329		
GI Descrip.	(AC006922) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15708	Strand	-
Start	1753	End	20347
Name	OJ990421_04.9919.C46.o2.gp	Method	AAT/GAP
Start	18704	End	18981
GI	uC-osflcyp106d06b1	Score	544
Exons	18704..18981		
GI Descrip.	'2580438/dbj BAA23142 4.0e-60 (D87260) PCF1 [Oryza sativa]'		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15709	Strand	-
Start	21023	End	21619
Name	OJ990421_04.9919.C46.o1.tm	Method	TBLASTX:Maize
Start	2060	End	2595
GI	none	Score	52
Exons	2060..2101, 2061..2102, 2061..2105, 2185..2466, 2186..2497, 2198..2494, 2555..2590, 2557..2595		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15709	Strand	-
Start	21023	End	21619
Name	OJ990421_04.9919.C46.o2.tm	Method	TBLASTX:Maize
Start	3434	End	3624
GI	none	Score	75
Exons	3434..3580, 3448..3624, 3471..3623		

Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15709	Strand	-
Start	21023	End	21619
Name	OJ990421_04.9919.C46.o3.gp	Method	AAT/GAP
Start	21023	End	21619

GI	2580437	Score	1174
Exons	21023..21619		
GI Descrip.	2580438/dbj BAA23142 4.0e-60 (D87260) PCF1 [Oryza sativa]		
Seq. No.	7448	Seq. ID	OJ990421_04.9919.C46
Gene No.	15709	Strand	-
Start	21023	End	21619
Name	OJ990421_04.9919.C46.o3.np	Method	AAT/NAP
Start	21309	End	21619
GI	2580438	Score	527
Exons	21309..21619		
GI Descrip.	(D87260) PCF1 [Oryza sativa]		
Seq. No.	7449	Seq. ID	OJ990421_04.9919.C47
Gene No.	15710	Strand	+
Start	109	End	1143
Name	OJ990421_04.9919.C47.o1.gs	Method	GENSCAN
Start	109	End	1143
GI	none	Score	.44
Exons	109..204, 889..1143		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15711	Strand	+
Start	107	End	5690
Name	OJ990421_04.9919.C48.o1.gp	Method	AAT/GAP
Start	107	End	577
GI	none	Score	907
Exons	107..577		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15711	Strand	+
Start	107	End	5690
Name	OJ990421_04.9919.C48.o1.gs	Method	GENSCAN
Start	125	End	5690
GI	none	Score	.83
Exons	125..301, 546..628, 967..1039, 2262..2362, 3329..3639, 3696..3900, 4464..5264, 5275..5690		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15711	Strand	+
Start	107	End	5690
Name	OJ990421_04.9919.C48.o2.gp	Method	AAT/GAP
Start	2138	End	2740
GI	none	Score	714
Exons	2138..2362, 2579..2740		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15711	Strand	+
Start	107	End	5690
Name	OJ990421_04.9919.C48.o1.np	Method	AAT/NAP
Start	3293	End	3866
GI	6862956	Score	426
Exons	3293..3866		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15711	Strand	+

Start	107	End	5690
Name	OJ990421_04.9919.C48.o2.np	Method	AAT/NAP
Start	5521	End	5617
GI	5441881	Score	51
Exons	5521..5617		
GI Descrip.	(AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa]		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15712	Strand	+
Start	12185	End	19082
Name	OJ990421_04.9919.C48.o3.gs	Method	GENSCAN
Start	12185	End	19082
GI	none	Score	.8
Exons	12185..12472, 13013..13285, 13368..13548, 13827..13867, 14036..14296, 14771..14903, 15004..15094, 15521..15623, 16157..16260, 16409..16502, 16585..16740, 16824..16886, 16988..17053, 17270..17470, 17599..17676, 17765..17884, 18491..18631, 18693..19082		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15712	Strand	+
Start	12185	End	19082
Name	OJ990421_04.9919.C48.o3.np	Method	AAT/NAP
Start	12206	End	19079
GI	2499115	Score	2876
Exons	12206..12472, 13013..13268, 13357..13548, 14036..14296, 14771..14903, 15004..15094, 15521..15623, 16157..16260, 16409..16502, 16585..16740, 16824..16886, 16988..17053, 17270..17470, 17599..17676, 17765..17884, 17982..18062, 18148..18233, 18520..18601, 18693..19079		
GI Descrip.	VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG gi 1835788 (U86662) VPS41 [Lycopersicon esculentum]		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15712	Strand	+
Start	12185	End	19082
Name	OJ990421_04.9919.C48.o3.gp	Method	AAT/GAP
Start	16980	End	18782
GI	31999_1.R1084	Score	1453
Exons	16980..17053, 17270..17470, 17599..17676, 17765..17884, 17982..18062, 18148..18233, 18520..18601, 18693..18782		
GI Descrip.	'2499115/sp P93231 VP41 LYCES 1.0e-106 VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG >gi_1835788 (U86662) VPS41 [Lycopersicon esculentum]'		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15713	Strand	-
Start	9081	End	9473
Name	OJ990421_04.9919.C48.o2.gs	Method	GENSCAN
Start	9081	End	9473
GI	none	Score	.63
Exons	9081..9473		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15714	Strand	-
Start	19022	End	19421

Name	OJ990421_04.9919.C48.o4.gp	Method	AAT/GAP
Start	19022	End	19421
GI	none	Score	792
Exons	19022..19421		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o1.tw	Method	TBLASTX:Wheat
Start	3286	End	3564
GI	none	Score	44
Exons	3286..3336, 3339..3563, 3340..3564		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o5.tm	Method	TBLASTX:Maize
Start	3402	End	3758
GI	none	Score	350
Exons	3402..3677, 3418..3714, 3681..3758, 3689..3757		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o1.tm	Method	TBLASTX:Maize
Start	13030	End	13548
GI	none	Score	250
Exons	13030..13269, 13031..13282, 13033..13269, 13071..13289, 13255..13287, 13359..13502, 13360..13503, 13361..13525, 13365..13505, 13500..13547, 13501..13548		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o3.ts	Method	TBLASTX:Soybean
Start	13364	End	14143
GI	none	Score	68
Exons	13364..13507, 13365..13508, 13365..13505, 13367..13525, 13501..13545, 13503..13550, 14012..14143, 14024..14098		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o2.ts	Method	TBLASTX:Soybean
Start	14156	End	16266
GI	none	Score	167
Exons	14156..14296, 14158..14298, 14158..14292, 14770..14904, 14770..14904, 14771..14905, 15002..15067, 15003..15095, 15003..15095, 15518..15625, 15519..15626, 16145..16261, 16154..16258, 16155..16259, 16156..16263, 16156..16266		
Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o6.tm	Method	TBLASTX:Maize
Start	14854	End	15626
GI	none	Score	88

Exons 14854..14904, 14855..14905, 15003..15095, 15003..15095,
15518..15625, 15519..15626

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o2.tc	Method	TBLASTX:Cress
Start	15528	End	16742
GI	none	Score	129
Exons	15528..15626, 15542..15625, 16145..16261, 16152..16262, 16154..16261, 16156..16263, 16156..16266, 16406..16513, 16407..16505, 16528..16740, 16584..16739, 16650..16742		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o2.tm	Method	TBLASTX:Maize
Start	16145	End	17646
GI	none	Score	179
Exons	16145..16261, 16154..16258, 16156..16263, 16156..16266, 16388..16504, 16400..16522, 16407..16505, 16584..16739, 16584..16739, 16585..16740, 16824..16889, 16827..16886, 16973..17053, 16974..17054, 16979..17056, 17267..17473, 17272..17472, 17555..17644, 17588..17644, 17596..17646, 17602..17646		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o1.ts	Method	TBLASTX:Soybean
Start	16823	End	18770
GI	none	Score	76
Exons	16823..16891, 16824..16889, 16979..17056, 16993..17043, 17267..17473, 17269..17472, 17598..17672, 17602..17676, 17756..17890, 17764..17895, 17770..17877, 17979..18065, 17979..18065, 18141..18230, 18142..18234, 18518..18607, 18520..18585, 18687..18770, 18692..18769		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o1.tc	Method	TBLASTX:Cress
Start	17402	End	18044
GI	none	Score	88
Exons	17402..17473, 17598..17702, 17602..17676, 17755..17886, 17762..17890, 17764..17877, 17979..18044		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o4.tm	Method	TBLASTX:Maize
Start	17764	End	18218
GI	none	Score	191
Exons	17764..17877, 17765..17890, 17765..17884, 17766..17885, 17979..18065, 17979..18065, 17980..18066, 18140..18205, 18141..18218, 18142..18204, 18147..18206		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o3.tm	Method	TBLASTX:Maize
Start	18836	End	19323
GI	none	Score	269
Exons	18836..18988, 18837..19052, 18837..18995, 18984..19082, 18994..19083, 19005..19133, 19040..19132, 19163..19240, 19167..19238, 19175..19240, 19176..19316, 19276..19323, 19279..19323		

Seq. No.	7450	Seq. ID	OJ990421_04.9919.C48
Gene No.	15715	Strand	-
Start	20719	End	22419
Name	OJ990421_04.9919.C48.o4.gs	Method	GENSCAN
Start	20719	End	22419
GI	none	Score	.7
Exons	20719..20873, 21830..22419		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15716	Strand	+
Start	360	End	5057
Name	OJ990421_04.9919.C49.o1.gs	Method	GENSCAN
Start	360	End	5057
GI	none	Score	.54
Exons	360..375, 2990..3305, 3465..3571, 3601..3748, 4017..4094, 4301..4483, 4919..5057		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15717	Strand	+
Start	7896	End	13232
Name	OJ990421_04.9919.C49.o3.gs	Method	GENSCAN
Start	7896	End	13232
GI	none	Score	.46
Exons	7896..8658, 8898..8973, 9020..9787, 10431..10698, 10801..11004, 11328..11370, 11481..11636, 11764..11810, 11978..12034, 12519..12596, 13047..13232		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15717	Strand	+
Start	7896	End	13232
Name	OJ990421_04.9919.C49.o1.np	Method	AAT/NAP
Start	8091	End	13088
GI	5441880	Score	961
Exons	8091..8141, 8169..9117, 9559..9603, 9868..10312, 10396..11085, 11175..11370, 13060..13088		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15718	Strand	-
Start	5388	End	6415
Name	OJ990421_04.9919.C49.o2.gs	Method	GENSCAN
Start	5388	End	6415
GI	none	Score	.52
Exons	5388..5482, 5677..5808, 6060..6176, 6412..6415		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o1.tm	Method	TBLASTX:Maize
Start	8679	End	9260
GI	none	Score	113
Exons	8679..8801, 8684..8797, 8858..9022, 8859..8981, 8976..9140, 9003..9140, 9180..9260		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o1.tw	Method	TBLASTX:Wheat
Start	8970	End	9371
GI	none	Score	162
Exons	8970..9158, 9148..9315, 9170..9274, 9171..9371, 9171..9341		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o4.gs	Method	GENSCAN
Start	14886	End	16263
GI	none	Score	.86
Exons	14886..15044, 16141..16263		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o2.np	Method	AAT/NAP
Start	15997	End	18718
GI	5281016	Score	114
Exons	15997..16025, 16271..16318, 17824..18264, 18569..18718		
GI Descrip.	(Z97339) hydroperoxide lyase (HPOL) like protein [Arabidopsis thaliana]		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o5.gs	Method	GENSCAN
Start	17759	End	18544
GI	none	Score	.92
Exons	17759..17923, 18122..18240, 18532..18544		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o1.ts	Method	TBLASTX:Soybean
Start	17822	End	18181
GI	none	Score	79
Exons	17822..17968, 18029..18181, 18062..18181		

Seq. No.	7451	Seq. ID	OJ990421_04.9919.C49
Gene No.	15719	Strand	-
Start	14886	End	18718
Name	OJ990421_04.9919.C49.o2.tm	Method	TBLASTX:Maize
Start	17852	End	18181

GI	none	Score	62
Exons	17852..17953, 17859..17954, 17898..17987, 18029..18181, 18029..18181		

Seq. No.	7452	Seq. ID	OJ990421_04.9919.C50
Gene No.	15720	Strand	+
Start	1	End	749
Name	OJ990421_04.9919.C50.ol.np	Method	AAT/NAP
Start	1	End	749
GI	2443320	Score	433
Exons	1..81, 440..749		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	7452	Seq. ID	OJ990421_04.9919.C50
Gene No.	15720	Strand	+
Start	1	End	749
Name	OJ990421_04.9919.C50.ol.tw	Method	TBLASTX:Wheat
Start	442	End	749
GI	none	Score	385
Exons	442..747, 446..748, 453..749		

Seq. No.	7453	Seq. ID	OJ990421_04.9919.C51
Gene No.	15721	Strand	-
Start	50	End	76
Name	OJ990421_04.9919.C51.ol.gs	Method	GENSCAN
Start	50	End	76
GI	none	Score	.44
Exons	50..76		

Seq. No.	7454	Seq. ID	OJ990421_04.9919.C54
Gene No.	15722	Strand	+
Start	114	End	545
Name	OJ990421_04.9919.C54.ol.gs	Method	GENSCAN
Start	114	End	545
GI	none	Score	.92
Exons	114..367, 442..545		

Seq. No.	7455	Seq. ID	OJ990421_04.9919.C56
Gene No.	15723	Strand	+
Start	1	End	849
Name	OJ990421_04.9919.C56.ol.np	Method	AAT/NAP
Start	1	End	849
GI	5902444	Score	617
Exons	1..849		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	7455	Seq. ID	OJ990421_04.9919.C56
Gene No.	15723	Strand	+
Start	1	End	849
Name	OJ990421_04.9919.C56.ol.gs	Method	GENSCAN
Start	101	End	775
GI	none	Score	.65
Exons	101..263, 369..775		

Seq. No.	7455	Seq. ID	OJ990421_04.9919.C56
Gene No.	15723	Strand	+
Start	1	End	849

Name	OJ990421_04.9919.C56.ol.tw	Method	TBLASTX:Wheat
Start	329	End	784
GI	none	Score	148
Exons	329..511, 337..510, 548..784, 550..774		

Seq. No.	7456	Seq. ID	OJ990421_04.9919.C60
Gene No.	15724	Strand	-
Start	1	End	552
Name	OJ990421_04.9919.C60.ol.np	Method	AAT/NAP
Start	1	End	552
GI	2443320	Score	612
Exons	1..552		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	7456	Seq. ID	OJ990421_04.9919.C60
Gene No.	15724	Strand	-
Start	1	End	552
Name	OJ990421_04.9919.C60.ol.tw	Method	TBLASTX:Wheat
Start	166	End	551
GI	none	Score	312
Exons	166..537, 200..547, 204..551		

Seq. No.	7456	Seq. ID	OJ990421_04.9919.C60
Gene No.	15724	Strand	-
Start	1	End	552
Name	OJ990421_04.9919.C60.ol.tm	Method	TBLASTX:Maize
Start	261	End	536
GI	none	Score	137
Exons	261..341, 348..536		

Seq. No.	7456	Seq. ID	OJ990421_04.9919.C60
Gene No.	15724	Strand	-
Start	1	End	552
Name	OJ990421_04.9919.C60.ol.ts	Method	TBLASTX:Soybean
Start	270	End	545
GI	none	Score	91
Exons	270..350, 351..545, 352..543, 363..545		

Seq. No.	7457	Seq. ID	OJ990421_04.9919.C62
Gene No.	15725	Strand	+
Start	1	End	601
Name	OJ990421_04.9919.C62.ol.np	Method	AAT/NAP
Start	1	End	601
GI	5441880	Score	155
Exons	1..266, 356..601		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7457	Seq. ID	OJ990421_04.9919.C62
Gene No.	15725	Strand	+
Start	1	End	601
Name	OJ990421_04.9919.C62.ol.gs	Method	GENSCAN
Start	129	End	496
GI	none	Score	.83
Exons	129..259, 349..496		

Seq. No. 7458
 Gene No. 15726
 Start 1
 Name OJ990421_04.9919.C63.o1.gp
 Start 1
 GI none
 Exons 1..113

Seq. ID OJ990421_04.9919.C63
 Strand -
 End 113
 Method AAT/GAP
 End 113
 Score 163

Seq. No. 7459
 Gene No. 15727
 Start 61
 Name OJ990331_08.9922.C4.o1.gs
 Start 61
 GI none
 Exons 61..165, 486..570

Seq. ID OJ990331_08.9922.C4
 Strand +
 End 570
 Method GENSCAN
 End 570
 Score .55

Seq. No. 7459
 Gene No. 15728
 Start 504
 Name OJ990331_08.9922.C4.o1.gp
 Start 504
 GI none
 Exons 504..636

Seq. ID OJ990331_08.9922.C4
 Strand -
 End 636
 Method AAT/GAP
 End 636
 Score 237

Seq. No. 7460
 Gene No. 15729
 Start 341
 Name OJ990331_08.9922.C5.o1.gp
 Start 341
 GI none
 Exons 341..476

Seq. ID OJ990331_08.9922.C5
 Strand -
 End 476
 Method AAT/GAP
 End 476
 Score 226

Seq. No. 7461
 Gene No. 15730
 Start 273
 Name OJ990331_08.9922.C6.o1.gp
 Start 273
 GI 3767404
 Exons 273..697

Seq. ID OJ990331_08.9922.C6
 Strand +
 End 697
 Method AAT/GAP
 End 697
 Score 802

GI Descrip. 5454202/gb|AAD43617.1|AC005698_16 7.0e-15 (AC005698) T3P18.16
 [Arabidopsis thaliana]

Seq. No. 7461
 Gene No. 15730
 Start 273
 Name OJ990331_08.9922.C6.o1.gs
 Start 274
 GI none
 Exons 274..453

Seq. ID OJ990331_08.9922.C6
 Strand +
 End 697
 Method GENSCAN
 End 453
 Score 1

Seq. No. 7461
 Gene No. 15731
 Start 989
 Name OJ990331_08.9922.C6.o2.gp
 Start 989
 GI 3767404
 Exons 989..1397

Seq. ID OJ990331_08.9922.C6
 Strand +
 End 1397
 Method AAT/GAP
 End 1397
 Score 576

GI Descrip. 5454202/gb|AAD43617.1|AC005698_16 7.0e-15 (AC005698) T3P18.16
[Arabidopsis thaliana]

Seq. No.	7461	Seq. ID	OJ990331_08.9922.C6
Gene No.	15732	Strand	-
Start	2651	End	4059
Name	OJ990331_08.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	265	End	1166
GI	none	Score	295
Exons	265..471, 266..457, 1013..1054, 1014..1055, 1116..1166, 1116..1166		

Seq. No.	7461	Seq. ID	OJ990331_08.9922.C6
Gene No.	15732	Strand	-
Start	2651	End	4059
Name	OJ990331_08.9922.C6.o2.gs	Method	GENSCAN
Start	2651	End	4041
GI	none	Score	.76
Exons	2651..3574, 3700..4041		

Seq. No.	7461	Seq. ID	OJ990331_08.9922.C6
Gene No.	15732	Strand	-
Start	2651	End	4059
Name	OJ990331_08.9922.C6.o2.np	Method	AAT/NAP
Start	2717	End	4059
GI	3892713	Score	1059
Exons	2717..4059		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	7461	Seq. ID	OJ990331_08.9922.C6
Gene No.	15732	Strand	-
Start	2651	End	4059
Name	OJ990331_08.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	2768	End	3133
GI	none	Score	90
Exons	2768..2965, 2966..3133, 2967..3098		

Seq. No.	7461	Seq. ID	OJ990331_08.9922.C6
Gene No.	15732	Strand	-
Start	2651	End	4059
Name	OJ990331_08.9922.C6.o3.gp	Method	AAT/GAP
Start	3746	End	4056
GI	LIB3479-005-Q6-K1-B1	Score	581
Exons	3746..4056		
GI Descrip.	'5454202/gb AAD43617.1 AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15733	Strand	+
Start	1	End	2725
Name	OJ990331_08.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	2725
GI	6642665	Score	133
Exons	1..36, 242..412, 645..792, 2646..2725		
GI Descrip.	(AC015450) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15733	Strand	+
Start	1	End	2725
Name	OJ990331_08.9922.C7.o1.gp	Method	AAT/GAP
Start	203	End	683
GI	LIB3433-043-P1-K1-F7	Score	374
Exons	203..406, 627..683		
GI Descrip.	'2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15734	Strand	+
Start	9066	End	9371
Name	OJ990331_08.9922.C7.o5.gs	Method	GENSCAN
Start	9066	End	9371
GI	none	Score	.92
Exons	9066..9371		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15735	Strand	+
Start	9882	End	13552
Name	OJ990331_08.9922.C7.o3.gp	Method	AAT/GAP
Start	9594	End	11226
GI	none	Score	788
Exons	9594..9674, 10808..10907, 10988..11226		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15735	Strand	+
Start	9882	End	13552
Name	OJ990331_08.9922.C7.o6.gs	Method	GENSCAN
Start	9882	End	13162
GI	none	Score	.71
Exons	9882..9990, 11240..11469, 11552..11692, 11757..11852, 11951..12079, 12165..12221, 12308..12409, 12498..12575, 12670..12810, 12906..12998, 13112..13162		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15735	Strand	+
Start	9882	End	13552
Name	OJ990331_08.9922.C7.o2.np	Method	AAT/NAP
Start	11185	End	13061
GI	3892714	Score	810
Exons	11185..11469, 11552..11692, 11781..11852, 11951..12079, 12165..12221, 12308..12409, 12498..12575, 12670..12810, 12906..13061		
GI Descrip.	(AL033545) trehalose-6-phosphate phosphatase-like protein [Arabidopsis thaliana]		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15735	Strand	+
Start	9882	End	13552
Name	OJ990331_08.9922.C7.o4.gp	Method	AAT/GAP
Start	12955	End	13552
GI	none	Score	867
Exons	12955..12998, 13112..13552		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
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Gene No.	15736	Strand	+
Start	14976	End	19795
Name	OJ990331_08.9922.C7.o3.np	Method	AAT/NAP
Start	14976	End	19558
GI	4584520	Score	752
Exons	14976..15086, 16004..16096, 16143..16174, 16418..16500, 16988..17067, 17151..17234, 17395..17479, 17601..17686, 17791..17912, 18475..18535, 18847..18945, 19031..19132, 19294..19368, 19442..19558		
GI Descrip.	(AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15736	Strand	+
Start	14976	End	19795
Name	OJ990331_08.9922.C7.o5.gp	Method	AAT/GAP
Start	15754	End	17055
GI	35300_1.R1084	Score	804
Exons	15754..15921, 16016..16096, 16432..16500, 16574..16637, 16988..17055		
GI Descrip.	'2880043 1.0e-16 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15736	Strand	+
Start	14976	End	19795
Name	OJ990331_08.9922.C7.o9.gs	Method	GENSCAN
Start	15781	End	19221
GI	none	Score	.92
Exons	15781..15921, 16016..16096, 16432..16500, 17151..17234, 17395..17479, 17601..17686, 17791..17912, 18475..18535, 19031..19132, 19168..19221		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15736	Strand	+
Start	14976	End	19795
Name	OJ990331_08.9922.C7.o6.gp	Method	AAT/GAP
Start	17406	End	18901
GI	6025047	Score	658
Exons	17406..17479, 17601..17686, 17791..17912, 18475..18535, 18847..18901		
GI Descrip.	4584520/emb CAB40751.1 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15736	Strand	+
Start	14976	End	19795
Name	OJ990331_08.9922.C7.o7.gp	Method	AAT/GAP
Start	19069	End	19795
GI	77236_1.R1084	Score	820
Exons	19069..19132, 19294..19335, 19442..19795		
GI Descrip.	'4584520/emb CAB40751.1 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15737	Strand	+
Start	22825	End	23223

Name	OJ990331_08.9922.C7.o10.gs	Method	GENSCAN
Start	22825	End	23223
GI	none	Score	.99
Exons	22825..23223		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15737	Strand	+
Start	22825	End	23223
Name	OJ990331_08.9922.C7.o4.np	Method	AAT/NAP
Start	22825	End	23214
GI	1084461	Score	411
Exons	22825..23214		
GI Descrip.	RCc3 protein - rice gi 786132 (L27208) RCc3 [Oryza sativa]		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15738	Strand	+
Start	26100	End	26474
Name	OJ990331_08.9922.C7.o11.gs	Method	GENSCAN
Start	26100	End	26474
GI	none	Score	.91
Exons	26100..26474		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15739	Strand	+
Start	29516	End	29917
Name	OJ990331_08.9922.C7.o12.gs	Method	GENSCAN
Start	29516	End	29917
GI	none	Score	.98
Exons	29516..29917		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15739	Strand	+
Start	29516	End	29917
Name	OJ990331_08.9922.C7.o5.np	Method	AAT/NAP
Start	29516	End	29911
GI	1084461	Score	427
Exons	29516..29911		
GI Descrip.	RCc3 protein - rice gi 786132 (L27208) RCc3 [Oryza sativa]		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15740	Strand	+
Start	33205	End	35125
Name	OJ990331_08.9922.C7.o6.np	Method	AAT/NAP
Start	33205	End	35125
GI	6907086	Score	471
Exons	33205..33973, 34033..34373, 34746..34957, 35039..35125		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15741	Strand	-
Start	631	End	891
Name	OJ990331_08.9922.C7.o2.gs	Method	GENSCAN
Start	631	End	891
GI	none	Score	.99
Exons	631..891		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7

Gene No.	15742	Strand	-
Start	1656	End	4566
Name	OJ990331_08.9922.C7.o3.gs	Method	GENSCAN
Start	1656	End	4133
GI	none	Score	.58
Exons	1656..1980, 2381..2424, 4119..4133		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15742	Strand	-
Start	1656	End	4566
Name	OJ990331_08.9922.C7.o2.gp	Method	AAT/GAP
Start	4015	End	4566
GI	LIB3474-009-P1-K1-F11	Score	234
Exons	4015..4148, 4530..4566		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15743	Strand	-
Start	5369	End	8458
Name	OJ990331_08.9922.C7.o4.gs	Method	GENSCAN
Start	5369	End	8458
GI	none	Score	.58
Exons	5369..5556, 5812..5904, 6767..6826, 7754..7773, 7778..7894, 8403..8458		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15744	Strand	-
Start	14061	End	14527
Name	OJ990331_08.9922.C7.o7.gs	Method	GENSCAN
Start	14061	End	14527
GI	none	Score	.47
Exons	14061..14148, 14248..14368, 14434..14527		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15745	Strand	-
Start	14700	End	15140
Name	OJ990331_08.9922.C7.o8.gs	Method	GENSCAN
Start	14700	End	15140
GI	none	Score	.92
Exons	14700..15016, 15071..15140		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15746	Strand	-
Start	22758	End	23509
Name	OJ990331_08.9922.C7.o8.gp	Method	AAT/GAP
Start	22758	End	23509
GI	4380_2.R1084	Score	1396
Exons	22758..23509		
GI Descrip.	'1084461/pir S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15747	Strand	-
Start	26020	End	26642
Name	OJ990331_08.9922.C7.o9.gp	Method	AAT/GAP
Start	26020	End	26642

GI	4380_3.R1084	Score	1210
Exons	26020..26642		
GI Descrip.	'1084461/pir S53012 2.0e-25 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15748	Strand	-
Start	29446	End	30228
Name	OJ990331_08.9922.C7.o10.gp	Method	AAT/GAP
Start	29446	End	30228
GI	4380_1.R1084	Score	1517
Exons	29446..30228		
GI Descrip.	'1084461/pir S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o7.tm	Method	TBLASTX:Maize
Start	239	End	399
GI	none	Score	157
Exons	239..367, 241..399, 241..369		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	272	End	29911
GI	none	Score	65
Exons	272..484, 22965..23033, 22969..23037, 23044..23214, 23153..23188, 23181..23213, 26216..26284, 26220..26288, 26232..26309, 26294..26506, 26295..26477, 29662..29730, 29666..29734, 29678..29755, 29741..29911, 29859..29909		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	10987	End	11310
GI	none	Score	121
Exons	10987..11085, 10988..11086, 11173..11202, 11202..11309, 11202..11309, 11203..11310, 11209..11310		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	11332	End	13174
GI	none	Score	69
Exons	11332..11415, 11549..11683, 11551..11685, 11552..11686, 11756..11854, 11760..11855, 11760..11855, 11951..12031, 12164..12232, 12165..12236, 12320..12400, 12322..12402, 12510..12587, 12667..12813, 12669..12812, 12881..13021, 12927..13022, 13112..13174		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-

Start	31597	End	34975
Name	OJ990331_08.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	11551	End	12992
GI	none	Score	159
Exons	11551..11691, 11558..11692, 11778..11861, 11780..11863, 11951..12061, 11980..12030, 12171..12221, 12314..12400, 12510..12587, 12667..12825, 12669..12812, 12906..12992, 12926..12991		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	11552	End	12025
GI	none	Score	162
Exons	11552..11689, 11557..11688, 11781..11855, 11792..11863, 11951..12025, 11980..12024		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	11554	End	11989
GI	none	Score	153
Exons	11554..11676, 11558..11689, 11781..11852, 11951..11989		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	12307	End	13013
GI	none	Score	92
Exons	12307..12402, 12308..12400, 12516..12587, 12664..12810, 12667..12813, 12675..12812, 12906..13013, 12926..13000		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	12504	End	13022
GI	none	Score	61
Exons	12504..12578, 12669..12812, 12670..12813, 12906..13022, 12926..13012		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	16013	End	19117
GI	none	Score	96
Exons	16013..16099, 16432..16515, 16435..16500, 16567..16683, 16568..16639, 16987..17073, 17151..17237, 17394..17495, 17395..17481, 17596..17697, 17597..17683, 17791..17913, 17799..17912, 17845..17913, 18472..18543, 18473..18535, 18852..18944, 18853..18954, 19030..19116, 19031..19117		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
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Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	16013	End	17073
GI	none	Score	123
Exons	16013..16096, 16015..16095, 16431..16499, 16432..16500, 16432..16509, 16567..16686, 16568..16684, 16984..17067, 16986..17069, 16986..17069, 16987..17073		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	17599	End	19136
GI	none	Score	90
Exons	17599..17682, 17599..17682, 17600..17683, 17603..17683, 17776..17913, 17794..17913, 17799..17921, 18302..18343, 18459..18536, 18472..18543, 18473..18550, 18846..18944, 18846..18944, 18847..18954, 18847..18948, 19024..19125, 19029..19136, 19031..19123		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o6.tm	Method	TBLASTX:Maize
Start	19288	End	19584
GI	none	Score	68
Exons	19288..19335, 19439..19561, 19441..19584, 19441..19560		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	22953	End	29944
GI	none	Score	115
Exons	22953..23033, 22954..23037, 22981..23067, 23041..23133, 23044..23214, 23144..23188, 26172..26198, 26180..26284, 26181..26288, 26181..26198, 26232..26318, 26245..26289, 26292..26378, 26294..26458, 26295..26465, 29659..29730, 29660..29734, 29678..29764, 29738..29824, 29740..29913, 29741..29944		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	22963	End	29917
GI	none	Score	79
Exons	22963..23037, 23044..23214, 26172..26231, 26214..26288, 26279..26464, 26295..26465, 29660..29734, 29740..29910, 29741..29917		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o4.ts	Method	TBLASTX:Soybean
Start	22963	End	30004

GI	none	Score	218
Exons	22963..23214, 22968..23126, 26183..26464, 26184..26465, 29660..29911, 29665..29832, 29909..30004		
Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o11.gp	Method	AAT/GAP
Start	31488	End	31913
GI	4878407	Score	671
Exons	31488..31913		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o13.gs	Method	GENSCAN
Start	31597	End	34897
GI	none	Score	.64
Exons	31597..31731, 32399..32553, 33439..33524, 33604..33978, 34029..34225, 34311..34458, 34700..34897		

Seq. No.	7462	Seq. ID	OJ990331_08.9922.C7
Gene No.	15749	Strand	-
Start	31597	End	34975
Name	OJ990331_08.9922.C7.o7.np	Method	AAT/NAP
Start	33248	End	34975
GI	4455154	Score	79
Exons	33248..33490, 34172..34278, 34558..34616, 34864..34975		
GI Descrip.	(AL033545) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15750	Strand	+
Start	353	End	1266
Name	OJ990331_08.9922.C8.o1.gs	Method	GENSCAN
Start	353	End	1266
GI	none	Score	.55
Exons	353..394, 1043..1266		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15751	Strand	+
Start	6301	End	13556
Name	OJ990331_08.9922.C8.o3.gs	Method	GENSCAN
Start	6301	End	8833
GI	none	Score	.79
Exons	6301..6348, 6883..7014, 7919..8124, 8240..8397, 8622..8833		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15751	Strand	+
Start	6301	End	13556
Name	OJ990331_08.9922.C8.o1.np	Method	AAT/NAP
Start	7547	End	13556
GI	1657851	Score	490
Exons	7547..7661, 9025..9420, 13161..13556		
GI Descrip.	(U73214) cold acclimation protein WCOR518 [Triticum aestivum]		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15751	Strand	+
Start	6301	End	13556
Name	OJ990331_08.9922.C8.o1.gp	Method	AAT/GAP
Start	8920	End	9281
GI	62886_1.R1084	Score	673
Exons	8920..9281		
GI Descrip.	'1084462/pir S53011 6.0e-14 RCg2 protein - rice >gi_786130 (L27209) RCc2 [Oryza sativa] >gi_786134 (L27210) root-specific protein [Oryza sativa]'		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15751	Strand	+
Start	6301	End	13556
Name	OJ990331_08.9922.C8.o4.gs	Method	GENSCAN
Start	8993	End	11487
GI	none	Score	.76
Exons	8993..9366, 11334..11487		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15752	Strand	-
Start	1986	End	5169
Name	OJ990331_08.9922.C8.o2.gs	Method	GENSCAN
Start	1986	End	5169
GI	none	Score	.99
Exons	1986..2258, 3317..3685, 3803..3946, 4043..4133, 4221..4325, 4440..4561, 4691..4812, 5025..5169		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	3034	End	3365
GI	none	Score	107
Exons	3034..3204, 3035..3199, 3317..3349, 3321..3365		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	9058	End	13550
GI	none	Score	51
Exons	9058..9078, 9059..9079, 9134..9199, 9145..9198, 9236..9400, 9289..9426, 13175..13348, 13224..13250, 13296..13349, 13311..13349, 13377..13412, 13389..13550, 13391..13549, 13467..13550		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	9152	End	13553
GI	none	Score	92
Exons	9152..9247, 9236..9403, 9283..9393, 13305..13406, 13307..13390, 13391..13543, 13392..13553		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
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Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	9154	End	13550
GI	none	Score	102
Exons	9154..9219, 9155..9247, 9242..9400, 9283..9393, 13304..13384, 13305..13397, 13391..13489, 13392..13550		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	9158	End	13550
GI	none	Score	57
Exons	9158..9199, 9170..9199, 9242..9400, 9289..9393, 13301..13348, 13308..13349, 13314..13349, 13391..13543, 13392..13550, 13392..13544		

Seq. No.	7463	Seq. ID	OJ990331_08.9922.C8
Gene No.	15753	Strand	-
Start	13152	End	14373
Name	OJ990331_08.9922.C8.o5.gs	Method	GENSCAN
Start	13152	End	14373
GI	none	Score	.94
Exons	13152..13578, 13696..13852, 14284..14373		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15754	Strand	+
Start	579	End	974
Name	OJ990331_08.9922.C9.o1.gs	Method	GENSCAN
Start	579	End	974
GI	none	Score	1
Exons	579..974		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15755	Strand	+
Start	5295	End	5723
Name	OJ990331_08.9922.C9.o1.np	Method	AAT/NAP
Start	5295	End	5720
GI	1084462	Score	523
Exons	5295..5720		
GI Descrip.	RCg2 protein - rice gi 786130 (L27209) RCc2 [Oryza sativa] gi 786134 (L27210) root-specific protein [Oryza sativa]		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15755	Strand	+
Start	5295	End	5723
Name	OJ990331_08.9922.C9.o3.gs	Method	GENSCAN
Start	5295	End	5723
GI	none	Score	.84
Exons	5295..5420, 5493..5723		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15756	Strand	+
Start	9650	End	10282
Name	OJ990331_08.9922.C9.o2.gp	Method	AAT/GAP
Start	9559	End	10282

GI 586 1.R1084 Score 1390
 Exons 9559..10282
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15756 Strand +
 Start 9650 End 10282
 Name OJ990331_08.9922.C9.o2.np Method AAT/NAP
 Start 9650 End 10087
 GI 1084462 Score 786
 Exons 9650..10087
 GI Descrip. RCg2 protein - rice gi|786130 (L27209) RCc2 [Oryza sativa]
 gi|786134 (L27210) root-specific protein [Oryza sativa]

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15756 Strand +
 Start 9650 End 10282
 Name OJ990331_08.9922.C9.o4.gs Method GENSCAN
 Start 9650 End 10090
 GI none Score .98
 Exons 9650..10090

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15757 Strand +
 Start 12265 End 12754
 Name OJ990331_08.9922.C9.o5.gs Method GENSCAN
 Start 12265 End 12754
 GI none Score .7
 Exons 12265..12579, 12581..12754

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15757 Strand +
 Start 12265 End 12754
 Name OJ990331_08.9922.C9.o3.np Method AAT/NAP
 Start 12292 End 12745
 GI 1199772 Score 217
 Exons 12292..12504, 12542..12745
 GI Descrip. (D83226) extensin like protein [Populus nigra]
 gi|1199774|dbj|BAA11855| (D83227) extensin like protein [Populus nigra]

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15758 Strand -
 Start 2750 End 12745
 Name OJ990331_08.9922.C9.o1.tm Method TBLASTX:Maize
 Start 617 End 12742
 GI none Score 72
 Exons 617..769, 627..710, 675..773, 810..971, 812..970, 5465..5515,
 5469..5519, 5552..5641, 5553..5642, 5643..5720, 9712..9738,
 9713..9739, 9838..9885, 9839..9889, 9989..10087, 9994..10086,
 12463..12498, 12574..12678, 12632..12664, 12683..12742

Seq. No. 7464 Seq. ID OJ990331_08.9922.C9
 Gene No. 15758 Strand -
 Start 2750 End 12745
 Name OJ990331_08.9922.C9.o1.ts Method TBLASTX:Soybean

Start	621	End	12745
GI	none	Score	270
Exons	621..989, 719..988, 5469..5642, 5561..5644, 5643..5720, 9839..9886, 9989..10087, 12463..12498, 12632..12664, 12683..12745		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15758	Strand	-
Start	2750	End	12745
Name	OJ990331_08.9922.C9.o1.tc	Method	TBLASTX:Cress.
Start	687	End	12742
GI	none	Score	96
Exons	687..827, 728..811, 812..964, 813..974, 5469..5564, 5474..5557, 5553..5642, 5576..5644, 5643..5723, 9839..9922, 9989..10090, 12463..12498, 12632..12664, 12683..12742		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15758	Strand	-
Start	2750	End	12745
Name	OJ990331_08.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	722	End	12742
GI	none	Score	62
Exons	722..769, 726..770, 735..770, 812..964, 813..971, 813..965, 5475..5516, 5475..5516, 5519..5713, 5559..5642, 5643..5720, 5643..5714, 9845..9886, 9845..9886, 9998..10087, 12683..12742		

Seq. No.	7464	Seq. ID	OJ990331_08.9922.C9
Gene No.	15758	Strand	-
Start	2750	End	12745
Name	OJ990331_08.9922.C9.o2.gs	Method	GENSCAN
Start	2750	End	3232
GI	none	Score	.58
Exons	2750..3115, 3155..3232		

Seq. No.	7465	Seq. ID	OJ990331_08.9922.C10
Gene No.	15759	Strand	+
Start	244	End	3296
Name	OJ990331_08.9922.C10.o1.gs	Method	GENSCAN
Start	244	End	3296
GI	none	Score	.84
Exons	244..270, 2898..3026, 3063..3296		

Seq. No.	7465	Seq. ID	OJ990331_08.9922.C10
Gene No.	15760	Strand	+
Start	5183	End	6829
Name	OJ990331_08.9922.C10.o2.gs	Method	GENSCAN
Start	5183	End	6829
GI	none	Score	.89
Exons	5183..5286, 5322..5467, 5552..5753, 6024..6150, 6188..6829		

Seq. No.	7465	Seq. ID	OJ990331_08.9922.C10
Gene No.	15761	Strand	-
Start	626	End	3567
Name	OJ990331_08.9922.C10.o1.gp	Method	AAT/GAP
Start	626	End	3557
GI	none	Score	1214
Exons	626..904, 2934..3029, 3116..3202, 3333..3557		

Seq. No.	7465	Seq. ID	OJ990331_08.9922.C10
Gene No.	15761	Strand	-
Start	626	End	3567
Name	OJ990331_08.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	662	End	3482
GI	none	Score	72
Exons	662..721, 844..903, 844..903, 845..904, 846..905, 2919..3035, 2938..2991, 2943..3032, 2944..3048, 2945..3043, 3116..3202, 3117..3200, 3333..3422, 3336..3422, 3372..3470, 3411..3482		

Seq. No.	7465	Seq. ID	OJ990331_08.9922.C10
Gene No.	15761	Strand	-
Start	626	End	3567
Name	OJ990331_08.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	3006	End	3567
GI	none	Score	136
Exons	3006..3035, 3116..3202, 3117..3200, 3333..3488, 3336..3485, 3532..3567		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	5156
GI	6466937	Score	2260
Exons	1..416, 444..3807, 5133..5156		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o1.gs	Method	GENSCAN
Start	82	End	3968
GI	none	Score	.48
Exons	82..2045, 2183..3722, 3795..3968		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	754	End	1059
GI	none	Score	248
Exons	754..1059, 886..1059		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	1294	End	1776
GI	none	Score	387
Exons	1294..1776, 1398..1718, 1414..1734		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156

Name	OJ990331_08.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	1330	End	1644
GI	none	Score	207
Exons	1330..1644		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	1357	End	1830
GI	none	Score	607
Exons	1357..1830, 1398..1829, 1441..1830		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	1753	End	2112
GI	none	Score	291
Exons	1753..2112, 1824..2099		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o4.tw	Method	TBLASTX:Wheat
Start	1825	End	2190
GI	none	Score	282
Exons	1825..2190, 1849..2166, 1872..2189		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	1833	End	2055
GI	none	Score	102
Exons	1833..2048, 1833..2048, 1834..2055, 1834..2052		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	2058	End	2684
GI	none	Score	122
Exons	2058..2195, 2059..2202, 2178..2585, 2201..2545, 2568..2684		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	2574	End	2969
GI	none	Score	247
Exons	2574..2858, 2664..2864, 2711..2968, 2810..2968, 2916..2969		
Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o1.tm	Method	TBLASTX:Maize

Start	2802	End	3434
GI	none	Score	76
Exons	2802..2864, 2804..3427, 2897..3106, 2916..3434		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	2918	End	3209
GI	none	Score	265
Exons	2918..3208, 2919..3209		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	3057	End	3641
GI	none	Score	291
Exons	3057..3434, 3152..3388, 3552..3641		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	3480	End	4105
GI	none	Score	315
Exons	3480..3905, 3620..3805, 3905..3952, 3906..3950, 4082..4105		

Seq. No.	7466	Seq. ID	OJ990331_08.9922.C11
Gene No.	15762	Strand	+
Start	1	End	5156
Name	OJ990331_08.9922.C11.o5.tw	Method	TBLASTX:Wheat
Start	3642	End	3808
GI	none	Score	198
Exons	3642..3806, 3644..3808, 3650..3805		

Seq. No.	7467	Seq. ID	OJ990331_08.9922.C12
Gene No.	15763	Strand	-
Start	643	End	826
Name	OJ990331_08.9922.C12.o1.gs	Method	GENSCAN
Start	643	End	826
GI	none	Score	.94
Exons	643..826		

Seq. No.	7468	Seq. ID	OJ990331_08.9922.C13
Gene No.	15764	Strand	-
Start	405	End	576
Name	OJ990331_08.9922.C13.o1.gs	Method	GENSCAN
Start	405	End	576
GI	none	Score	.82
Exons	405..576		

Seq. No.	7469	Seq. ID	OJ990331_08.9922.C14
Gene No.	15765	Strand	-
Start	426	End	533
Name	OJ990331_08.9922.C14.o1.gs	Method	GENSCAN
Start	426	End	533

GI	none	Score	.97
Exons	426..533		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15766	Strand	+
Start	63	End	929
Name	OJ990331_08.9922.C15.ol.gs	Method	GENSCAN
Start	63	End	929
GI	none	Score	.87
Exons	63..929		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15766	Strand	+
Start	63	End	929
Name	OJ990331_08.9922.C15.ol.np	Method	AAT/NAP
Start	144	End	926
GI	4056615	Score	641
Exons	144..926		
GI Descrip.	(AF067401) Sc11 protein [Oryza sativa]		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15766	Strand	+
Start	63	End	929
Name	OJ990331_08.9922.C15.ol.gp	Method	AAT/GAP
Start	275	End	693
GI	none	Score	783
Exons	275..693		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15767	Strand	-
Start	1002	End	1348
Name	OJ990331_08.9922.C15.ol.tm	Method	TBLASTX:Maize
Start	35	End	929
GI	none	Score	136
Exons	35..121, 36..197, 57..149, 156..239, 164..211, 240..407, 257..406, 473..694, 474..722, 788..925, 789..929, 834..926		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15767	Strand	-
Start	1002	End	1348
Name	OJ990331_08.9922.C15.ol.ts	Method	TBLASTX:Soybean
Start	39	End	929
GI	none	Score	211
Exons	39..230, 41..301, 243..452, 473..571, 474..704, 788..928, 789..929		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15767	Strand	-
Start	1002	End	1348
Name	OJ990331_08.9922.C15.ol.tc	Method	TBLASTX:Cress
Start	42	End	385
GI	none	Score	208
Exons	42..308, 54..254, 249..380, 254..385		
Seq. No.	7470	Seq. ID	OJ990331_08.9922.C15
Gene No.	15767	Strand	-
Start	1002	End	1348

Name	OJ990331_08.9922.C15.o2.gp	Method	AAT/GAP
Start	1002	End	1348
GI	none	Score	671
Exons	1002..1348		
Seq. No.	7471	Seq. ID	OJ990331_08.9922.C16
Gene No.	15768	Strand	+
Start	1321	End	6414
Name	OJ990331_08.9922.C16.o1.gs	Method	GENSCAN
Start	1321	End	6414
GI	none	Score	.7
Exons	1321..1407, 1574..1669, 2784..2930, 4444..4482, 4677..4781, 4964..5096, 5380..5536, 6300..6414		
Seq. No.	7471	Seq. ID	OJ990331_08.9922.C16
Gene No.	15768	Strand	+
Start	1321	End	6414
Name	OJ990331_08.9922.C16.o1.gp	Method	AAT/GAP
Start	4090	End	4389
GI	none	Score	592
Exons	4090..4389		
Seq. No.	7472	Seq. ID	OJ990331_08.9922.C17
Gene No.	15769	Strand	+
Start	426	End	547
Name	OJ990331_08.9922.C17.o1.gp	Method	AAT/GAP
Start	426	End	547
GI	LIB3434-017-P1-K1-G9	Score	194
Exons	426..547		
GI Descrip.	'1084461/pir S53012 2.0e-10 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		
Seq. No.	7472	Seq. ID	OJ990331_08.9922.C17
Gene No.	15770	Strand	-
Start	272	End	347
Name	OJ990331_08.9922.C17.o1.gs	Method	GENSCAN
Start	272	End	347
GI	none	Score	.6
Exons	272..347		
Seq. No.	7473	Seq. ID	OJ990331_08.9922.C18
Gene No.	15771	Strand	+
Start	262	End	415
Name	OJ990331_08.9922.C18.o1.gs	Method	GENSCAN
Start	262	End	415
GI	none	Score	.4
Exons	262..415		
Seq. No.	7474	Seq. ID	OJ990331_08.9922.C20
Gene No.	15772	Strand	+
Start	456	End	686
Name	OJ990331_08.9922.C20.o1.gp	Method	AAT/GAP
Start	456	End	686
GI	586_1.R1084	Score	384
Exons	456..686		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7474	Seq. ID	OJ990331_08.9922.C20
Gene No.	15772	Strand	+
Start	456	End	686
Name	OJ990331_08.9922.C20.o1.np	Method	AAT/NAP
Start	547	End	686
GI	1084460	Score	170
Exons	547..686		
GI Descrip.	RCc2 protein - rice		
Seq. No.	7474	Seq. ID	OJ990331_08.9922.C20
Gene No.	15773	Strand	-
Start	318	End	625
Name	OJ990331_08.9922.C20.o1.gs	Method	GENSCAN
Start	318	End	625
GI	none	Score	.59
Exons	318..425, 513..625		
Seq. No.	7475	Seq. ID	OJ990331_08.9922.C21
Gene No.	15774	Strand	-
Start	207	End	537
Name	OJ990331_08.9922.C21.o1.gs	Method	GENSCAN
Start	207	End	537
GI	none	Score	.67
Exons	207..350, 447..537		
Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	756
GI	4725942	Score	290
Exons	1..169, 382..550, 646..756		
GI Descrip.	(AL049730) putative trehalose-6-phosphate phosphatase (AtTPPA)		
	[Arabidopsis thaliana]		
Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.tc	Method	TBLASTX:Cress
Start	43	End	753
GI	none	Score	82
Exons	43..114, 407..553, 409..552, 621..752, 667..753		
Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	49	End	753
GI	none	Score	63
Exons	49..114, 404..550, 407..562, 415..552, 646..753, 666..740		
Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	55	End	756

GI	none	Score	85
Exons	55..117, 55..117, 406..513, 409..552, 410..553, 410..553, 660..752, 661..756		

Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	409	End	753
GI	none	Score	172
Exons	409..552, 410..562, 646..753, 666..752		

Seq. No.	7476	Seq. ID	OJ990331_08.9922.C22
Gene No.	15775	Strand	+
Start	1	End	756
Name	OJ990331_08.9922.C22.o1.gs	Method	GENSCAN
Start	410	End	738
GI	none	Score	.98
Exons	410..550, 646..738		

Seq. No.	7477	Seq. ID	OJ990331_08.9922.C26
Gene No.	15776	Strand	-
Start	387	End	450
Name	OJ990331_08.9922.C26.o1.gs	Method	GENSCAN
Start	387	End	450
GI	none	Score	.93
Exons	387..450		

Seq. No.	7478	Seq. ID	OJ990331_08.9922.C27
Gene No.	15777	Strand	-
Start	429	End	534
Name	OJ990331_08.9922.C27.o1.gp	Method	AAT/GAP
Start	429	End	534
GI	LIB3477-003-P1-K1-E9	Score	160
Exons	429..534		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7479	Seq. ID	OJ990331_08.9922.C30
Gene No.	15778	Strand	+
Start	310	End	351
Name	OJ990331_08.9922.C30.o1.gs	Method	GENSCAN
Start	310	End	351
GI	none	Score	.53
Exons	310..351		

Seq. No.	7480	Seq. ID	OJ990331_08.9922.C31
Gene No.	15779	Strand	+
Start	483	End	524
Name	OJ990331_08.9922.C31.o1.gs	Method	GENSCAN
Start	483	End	524
GI	none	Score	.43
Exons	483..524		

Seq. No.	7481	Seq. ID	OJ990501_25.9604.C3
Gene No.	15780	Strand	

Start 37
 Name OJ990501_25.9604.C3.o1.tw
 Start 37
 GI none
 Exons 37..411, 38..421, 45..410

End 462
 Method TBLASTX:Wheat
 End 421
 Score 535

Seq. No. 7481
 Gene No. 15780
 Start 37
 Name OJ990501_25.9604.C3.o1.tm
 Start 188
 GI none
 Exons 188..460, 190..462

Seq. ID OJ990501_25.9604.C3
 Strand
 End 462
 Method TBLASTX:Maize
 End 462
 Score 349

Seq. No. 7481
 Gene No. 15781
 Start 464
 Name OJ990501_25.9604.C3.o2.tm
 Start 464
 GI none
 Exons 464..655, 468..626, 500..640, 664..702

Seq. ID OJ990501_25.9604.C3
 Strand
 End 702
 Method TBLASTX:Maize
 End 702
 Score 218

Seq. No. 7482
 Gene No. 15782
 Start 65
 Name OJ990501_25.9604.C9.o1.gp
 Start 65
 GI uC-osrocyp007c03b1
 Exons 65..485
 GI Descrip. '2245012/emb|CAB10432.1| 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana]'

Seq. ID OJ990501_25.9604.C9
 Strand +
 End 485
 Method AAT/GAP
 End 485
 Score 842

Seq. No. 7482
 Gene No. 15783
 Start 404
 Name OJ990501_25.9604.C9.o1.ts
 Start 404
 GI none
 Exons 404..670, 421..603, 461..550, 755..868

Seq. ID OJ990501_25.9604.C9
 Strand
 End 868
 Method TBLASTX:Soybean
 End 868
 Score 234

Seq. No. 7483
 Gene No. 15784
 Start 281
 Name OJ990501_25.9604.C10.o1.gp
 Start 281
 GI none
 Exons 281..389, 563..804

Seq. ID OJ990501_25.9604.C10
 Strand +
 End 804
 Method AAT/GAP
 End 804
 Score 635

Seq. No. 7483
 Gene No. 15785
 Start 1167
 Name OJ990501_25.9604.C10.o1.tc
 Start 1100
 GI none
 Exons 1100..1291, 1143..1280, 1385..1522, 1396..1608, 1505..1537

Seq. ID OJ990501_25.9604.C10
 Strand +
 End 1625
 Method TBLASTX:Cress
 End 1608
 Score 72

Seq. No. 7483

Seq. ID OJ990501_25.9604.C10

Gene No.	15785	Strand	+
Start	1167	End	1625
Name	OJ990501_25.9604.C10.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1625
GI	none	Score	166
Exons	1100..1291, 1113..1271, 1114..1272, 1385..1606, 1396..1623, 1398..1625		

Seq. No.	7483	Seq. ID	OJ990501_25.9604.C10
Gene No.	15785	Strand	+
Start	1167	End	1625
Name	OJ990501_25.9604.C10.o1.ts	Method	TBLASTX:Soybean
Start	1100	End	1605
GI	none	Score	113
Exons	1100..1291, 1101..1271, 1174..1272, 1396..1605		

Seq. No.	7483	Seq. ID	OJ990501_25.9604.C10
Gene No.	15785	Strand	+
Start	1167	End	1625
Name	OJ990501_25.9604.C10.o2.gp	Method	AAT/GAP
Start	1167	End	1263
GI	none	Score	153
Exons	1167..1263		

Seq. No.	7484	Seq. ID	OJ990501_25.9604.C12
Gene No.	15786	Strand	+
Start	2398	End	2578
Name	OJ990501_25.9604.C12.o1.gp	Method	AAT/GAP
Start	2398	End	2578
GI	5038744	Score	315
Exons	2398..2578		

Seq. No.	7485	Seq. ID	OJ990501_25.9604.C13
Gene No.	15787	Strand	
Start	1170	End	1462
Name	OJ990501_25.9604.C13.o1.tm	Method	TBLASTX:Maize
Start	1170	End	1462
GI	none	Score	232
Exons	1170..1460, 1170..1454, 1331..1462		

Seq. No.	7486	Seq. ID	OJ990501_25.9604.C16
Gene No.	15788	Strand	
Start	561	End	1239
Name	OJ990501_25.9604.C16.o1.tw	Method	TBLASTX:Wheat
Start	561	End	1018
GI	none	Score	36
Exons	561..614, 596..1018, 717..836, 821..901, 876..998		

Seq. No.	7486	Seq. ID	OJ990501_25.9604.C16
Gene No.	15788	Strand	
Start	561	End	1239
Name	OJ990501_25.9604.C16.o2.tm	Method	TBLASTX:Maize
Start	575	End	787
GI	none	Score	194
Exons	575..787		

Seq. No.	7486	Seq. ID	OJ990501_25.9604.C16
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Gene No.	15788	Strand	
Start	561	End	1239
Name	OJ990501_25.9604.C16.o1.tm	Method	TBLASTX:Maize
Start	788	End	1236
GI	none	Score	189
Exons	788..1135, 789..1136, 1118..1207, 1126..1209, 1141..1209, 1207..1236		

Seq. No.	7486	Seq. ID	OJ990501_25.9604.C16
Gene No.	15788	Strand	
Start	561	End	1239
Name	OJ990501_25.9604.C16.o2.tw	Method	TBLASTX:Wheat
Start	1022	End	1239
GI	none	Score	105
Exons	1022..1135, 1118..1237, 1126..1236, 1130..1237, 1135..1239		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15789	Strand	
Start	11	End	404
Name	OJ990501_25.9604.C17.o3.ts	Method	TBLASTX:Soybean
Start	11	End	202
GI	none	Score	86
Exons	11..202, 12..197		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15789	Strand	
Start	11	End	404
Name	OJ990501_25.9604.C17.o3.tw	Method	TBLASTX:Wheat
Start	11	End	404
GI	none	Score	205
Exons	11..403, 12..242, 23..388, 297..404		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15789	Strand	
Start	11	End	404
Name	OJ990501_25.9604.C17.o4.tm	Method	TBLASTX:Maize
Start	24	End	346
GI	none	Score	100
Exons	24..230, 26..346, 38..259		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15790	Strand	
Start	467	End	976
Name	OJ990501_25.9604.C17.o1.tw	Method	TBLASTX:Wheat
Start	467	End	976
GI	none	Score	225
Exons	467..976, 551..898, 633..944		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15790	Strand	
Start	467	End	976
Name	OJ990501_25.9604.C17.o1.tm	Method	TBLASTX:Maize
Start	542	End	904
GI	none	Score	154
Exons	542..850, 546..743, 551..904, 636..902		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
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Gene No.	15790	Strand	
Start	467	End	976
Name	OJ990501_25.9604.C17.o2.ts	Method	TBLASTX:Soybean
Start	725	End	970
GI	none	Score	194
Exons	725..970		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15791	Strand	
Start	911	End	1813
Name	OJ990501_25.9604.C17.o3.tm	Method	TBLASTX:Maize
Start	911	End	1257
GI	none	Score	36
Exons	911..994, 912..941, 997..1257, 1004..1189		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15791	Strand	
Start	911	End	1813
Name	OJ990501_25.9604.C17.o4.tw	Method	TBLASTX:Wheat
Start	980	End	1278
GI	none	Score	218
Exons	980..1246, 988..1278, 1000..1278		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15791	Strand	
Start	911	End	1813
Name	OJ990501_25.9604.C17.o1.ts	Method	TBLASTX:Soybean
Start	995	End	1386
GI	none	Score	149
Exons	995..1246, 1000..1350, 1207..1350, 1325..1354, 1342..1386, 1354..1386		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15791	Strand	
Start	911	End	1813
Name	OJ990501_25.9604.C17.o2.tm	Method	TBLASTX:Maize
Start	1273	End	1744
GI	none	Score	126
Exons	1273..1740, 1370..1744		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15791	Strand	
Start	911	End	1813
Name	OJ990501_25.9604.C17.o2.tw	Method	TBLASTX:Wheat
Start	1327	End	1813
GI	none	Score	180
Exons	1327..1809, 1330..1698, 1370..1813		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15792	Strand	
Start	1970	End	2388
Name	OJ990501_25.9604.C17.o6.tw	Method	TBLASTX:Wheat
Start	1970	End	2388
GI	none	Score	101
Exons	1970..2125, 1972..2154, 1973..2128, 2179..2388, 2240..2338		
Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17

Gene No.	15793	Strand	
Start	2665	End	3270
Name	OJ990501_25.9604.C17.o7.tw	Method	TBLASTX:Wheat
Start	2665	End	2907
GI	none	Score	90
Exons	2665..2742, 2715..2906, 2818..2907		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15793	Strand	
Start	2665	End	3270
Name	OJ990501_25.9604.C17.o5.tm	Method	TBLASTX:Maize
Start	2721	End	3026
GI	none	Score	97
Exons	2721..3026, 2772..3026, 2839..3009		

Seq. No.	7487	Seq. ID	OJ990501_25.9604.C17
Gene No.	15793	Strand	
Start	2665	End	3270
Name	OJ990501_25.9604.C17.o5.tw	Method	TBLASTX:Wheat
Start	2907	End	3270
GI	none	Score	116
Exons	2907..3266, 2908..3141, 3166..3270		

Seq. No.	7488	Seq. ID	OJ990501_25.9604.C21
Gene No.	15794	Strand	
Start	40	End	146
Name	OJ990501_25.9604.C21.o2.tw	Method	TBLASTX:Wheat
Start	40	End	146
GI	none	Score	131
Exons	40..144, 41..145, 54..146		

Seq. No.	7488	Seq. ID	OJ990501_25.9604.C21
Gene No.	15795	Strand	
Start	66	End	711
Name	OJ990501_25.9604.C21.o2.ts	Method	TBLASTX:Soybean
Start	66	End	328
GI	none	Score	93
Exons	66..155, 66..146, 68..148, 163..327, 164..328		

Seq. No.	7488	Seq. ID	OJ990501_25.9604.C21
Gene No.	15795	Strand	
Start	66	End	711
Name	OJ990501_25.9604.C21.o1.tm	Method	TBLASTX:Maize
Start	169	End	591
GI	none	Score	157
Exons	169..591, 170..550		

Seq. No.	7488	Seq. ID	OJ990501_25.9604.C21
Gene No.	15795	Strand	
Start	66	End	711
Name	OJ990501_25.9604.C21.o1.tw	Method	TBLASTX:Wheat
Start	238	End	639
GI	none	Score	117
Exons	238..639, 239..592		

Seq. No.	7488	Seq. ID	OJ990501_25.9604.C21
Gene No.	15795	Strand	

Start 66
 Name OJ990501_25.9604.C21.o1.ts
 Start 352
 GI none
 Exons 352..711, 365..592

End 711
 Method TBLASTX:Soybean
 End 711
 Score 125

Seq. No. 7489
 Gene No. 15796
 Start 156
 Name OJ990501_25.9604.C22.o2.tm
 Start 156
 GI none
 Exons 156..299, 157..297, 312..407

Seq. ID OJ990501_25.9604.C22
 Strand
 End 429
 Method TBLASTX:Maize
 End 407
 Score 195

Seq. No. 7489
 Gene No. 15796
 Start 156
 Name OJ990501_25.9604.C22.o3.tw
 Start 246
 GI none
 Exons 246..428, 250..429

Seq. ID OJ990501_25.9604.C22
 Strand
 End 429
 Method TBLASTX:Wheat
 End 429
 Score 143

Seq. No. 7489
 Gene No. 15797
 Start 480
 Name OJ990501_25.9604.C22.o1.tm
 Start 480
 GI none
 Exons 480..728, 489..719, 496..723

Seq. ID OJ990501_25.9604.C22
 Strand
 End 965
 Method TBLASTX:Maize
 End 728
 Score 116

Seq. No. 7489
 Gene No. 15797
 Start 480
 Name OJ990501_25.9604.C22.o1.ts
 Start 483
 GI none
 Exons 483..728, 489..719, 496..723

Seq. ID OJ990501_25.9604.C22
 Strand
 End 965
 Method TBLASTX:Soybean
 End 728
 Score 110

Seq. No. 7489
 Gene No. 15797
 Start 480
 Name OJ990501_25.9604.C22.o1.tw
 Start 483
 GI none
 Exons 483..677, 496..672, 510..686, 696..953

Seq. ID OJ990501_25.9604.C22
 Strand
 End 965
 Method TBLASTX:Wheat
 End 965
 Score 123

Seq. No. 7489
 Gene No. 15798
 Start 1315
 Name OJ990501_25.9604.C22.o2.tw
 Start 1315
 GI none
 Exons 1315..1638, 1323..1628

Seq. ID OJ990501_25.9604.C22
 Strand
 End 1638
 Method TBLASTX:Wheat
 End 1638
 Score 247

Seq. No. 7490
 Gene No. 15799

Seq. ID OJ990501_25.9604.C26
 Strand

Start	631	End	1050
Name	OJ990501_25.9604.C26.o1.ts	Method	TBLASTX:Soybean
Start	631	End	1050
GI	none	Score	267
Exons	631..1050, 936..1046, 943..1047		

Seq. No.	7490	Seq. ID	OJ990501_25.9604.C26
Gene No.	15800	Strand	
Start	2242	End	2700
Name	OJ990501_25.9604.C26.o1.tw	Method	TBLASTX:Wheat
Start	2242	End	2690
GI	none	Score	293
Exons	2242..2679, 2286..2690		

Seq. No.	7490	Seq. ID	OJ990501_25.9604.C26
Gene No.	15800	Strand	
Start	2242	End	2700
Name	OJ990501_25.9604.C26.o2.tm	Method	TBLASTX:Maize
Start	2406	End	2700
GI	none	Score	238
Exons	2406..2588, 2407..2700		

Seq. No.	7490	Seq. ID	OJ990501_25.9604.C26
Gene No.	15801	Strand	
Start	2691	End	2976
Name	OJ990501_25.9604.C26.o2.tw	Method	TBLASTX:Wheat
Start	2691	End	2976
GI	none	Score	209
Exons	2691..2750, 2692..2976		

Seq. No.	7490	Seq. ID	OJ990501_25.9604.C26
Gene No.	15801	Strand	
Start	2691	End	2976
Name	OJ990501_25.9604.C26.o1.tm	Method	TBLASTX:Maize
Start	2704	End	2976
GI	none	Score	269
Exons	2704..2976, 2715..2846, 2904..2933		

Seq. No.	7490	Seq. ID	OJ990501_25.9604.C26
Gene No.	15801	Strand	
Start	2691	End	2976
Name	OJ990501_25.9604.C26.o2.ts	Method	TBLASTX:Soybean
Start	2782	End	2976
GI	none	Score	179
Exons	2782..2976		

Seq. No.	7491	Seq. ID	OJ990501_25.9604.C27
Gene No.	15802	Strand	
Start	1189	End	1602
Name	OJ990501_25.9604.C27.o1.tw	Method	TBLASTX:Wheat
Start	1189	End	1602
GI	none	Score	383
Exons	1189..1602, 1197..1541		

Seq. No.	7492	Seq. ID	OJ990501_25.9604.C32
Gene No.	15803	Strand	+
Start	141	End	641

Name	OJ990501_25.9604.C32.o1.tm	Method	TBLASTX:Maize
Start	91	End	418
GI	none	Score	75
Exons	91..168, 93..185, 94..195, 96..197, 287..418, 288..413		

Seq. No.	7492	Seq. ID	OJ990501_25.9604.C32
Gene No.	15803	Strand	+
Start	141	End	641
Name	OJ990501_25.9604.C32.o1.tc	Method	TBLASTX:Cress
Start	94	End	479
GI	none	Score	109
Exons	94..195, 94..195, 96..215, 287..424, 288..425, 429..479		

Seq. No.	7492	Seq. ID	OJ990501_25.9604.C32
Gene No.	15803	Strand	+
Start	141	End	641
Name	OJ990501_25.9604.C32.o1.ts	Method	TBLASTX:Soybean
Start	94	End	473
GI	none	Score	98
Exons	94..195, 96..197, 275..424, 288..425, 390..473		

Seq. No.	7492	Seq. ID	OJ990501_25.9604.C32
Gene No.	15803	Strand	+
Start	141	End	641
Name	OJ990501_25.9604.C32.o1.gp	Method	AAT/GAP
Start	141	End	641
GI	9464_1.R1084	Score	750
Exons	141..183, 288..641		
GI Descrip.	'1352468/sp P49175 INV1_MAIZE 6.0e-32 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]'		

Seq. No.	7493	Seq. ID	OJ990501_25.9604.C37
Gene No.	15804	Strand	
Start	38	End	785
Name	OJ990501_25.9604.C37.o1.tw	Method	TBLASTX:Wheat
Start	38	End	355
GI	none	Score	319
Exons	38..355, 43..354, 185..355		

Seq. No.	7493	Seq. ID	OJ990501_25.9604.C37
Gene No.	15804	Strand	
Start	38	End	785
Name	OJ990501_25.9604.C37.o1.tm	Method	TBLASTX:Maize
Start	188	End	785
GI	none	Score	309
Exons	188..466, 190..468, 192..506, 193..516, 463..783, 475..783, 477..785		

Seq. No.	7493	Seq. ID	OJ990501_25.9604.C37
Gene No.	15804	Strand	
Start	38	End	785
Name	OJ990501_25.9604.C37.o1.ts	Method	TBLASTX:Soybean
Start	212	End	590
GI	none	Score	205
Exons	212..466, 271..465, 463..588, 528..590		

Seq. No. 7493
Gene No. 15804
Start 38
Name OJ990501_25.9604.C37.o2.tw
Start 454
GI none
Exons 454..780, 534..782

Seq. ID OJ990501_25.9604.C37
Strand
End 785
Method TBLASTX:Wheat
End 782
Score 212

Seq. No. 7494
Gene No. 15805
Start 3821
Name OJ990501_25.9604.C41.o1.tc
Start 3821
GI none
Exons 3821..3901, 3821..3964, 3953..3970, 4074..4196, 4077..4202, 4078..4203, 4236..4292, 4237..4293

Seq. ID OJ990501_25.9604.C41
Strand
End 4533
Method TBLASTX:Cress
End 4293
Score 143

Seq. No. 7494
Gene No. 15805
Start 3821
Name OJ990501_25.9604.C41.o1.ts
Start 4074
GI none
Exons 4074..4202, 4078..4203, 4237..4293, 4254..4295, 4419..4460, 4420..4464

Seq. ID OJ990501_25.9604.C41
Strand
End 4533
Method TBLASTX:Soybean
End 4464
Score 201

Seq. No. 7494
Gene No. 15805
Start 3821
Name OJ990501_25.9604.C41.o1.tm
Start 4077
GI none
Exons 4077..4202, 4081..4293, 4083..4283, 4280..4306, 4402..4488, 4425..4487, 4426..4488, 4427..4489, 4501..4533

Seq. ID OJ990501_25.9604.C41
Strand
End 4533
Method TBLASTX:Maize
End 4533
Score 142

Seq. No. 7495
Gene No. 15806
Start 128
Name OJ990501_25.9604.C49.o2.tm
Start 128
GI none
Exons 128..274, 135..269, 140..274

Seq. ID OJ990501_25.9604.C49
Strand
End 817
Method TBLASTX:Maize
End 274
Score 116

Seq. No. 7495
Gene No. 15806
Start 128
Name OJ990501_25.9604.C49.o2.tw
Start 129
GI none
Exons 129..278, 131..280

Seq. ID OJ990501_25.9604.C49
Strand
End 817
Method TBLASTX:Wheat
End 280
Score 160

Seq. No. 7495
Gene No. 15806
Start 128
Name OJ990501_25.9604.C49.o1.ts
Start 131
GI none

Seq. ID OJ990501_25.9604.C49
Strand
End 817
Method TBLASTX:Soybean
End 388
Score 128

Exons	131..352, 132..284, 312..350, 356..388, 357..386		
Seq. No.	7495	Seq. ID	OJ990501_25.9604.C49
Gene No.	15806	Strand	
Start	128	End	817
Name	OJ990501_25.9604.C49.o1.tm	Method	TBLASTX:Maize
Start	275	End	707
GI	none	Score	77
Exons	275..469, 282..470, 495..707, 546..668		
Seq. No.	7495	Seq. ID	OJ990501_25.9604.C49
Gene No.	15806	Strand	
Start	128	End	817
Name	OJ990501_25.9604.C49.o1.tw	Method	TBLASTX:Wheat
Start	329	End	817
GI	none	Score	74
Exons	329..493, 372..470, 495..707, 510..698, 661..816, 677..817		
Seq. No.	7496	Seq. ID	OJ990501_25.9604.C52
Gene No.	15807	Strand	
Start	189	End	561
Name	OJ990501_25.9604.C52.o1.tw	Method	TBLASTX:Wheat
Start	189	End	561
GI	none	Score	79
Exons	189..560, 232..561		
Seq. No.	7497	Seq. ID	OJ990501_25.9604.C55
Gene No.	15808	Strand	+
Start	837	End	1293
Name	OJ990501_25.9604.C55.o1.gp	Method	AAT/GAP
Start	837	End	1293
GI	5003187	Score	790
Exons	837..1293		
GI Descrip.	2245012/emb CAB10432.1 5.0e-10 (Z97341) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7497	Seq. ID	OJ990501_25.9604.C55
Gene No.	15809	Strand	-
Start	1848	End	2073
Name	OJ990501_25.9604.C55.o1.ts	Method	TBLASTX:Soybean
Start	1437	End	2040
GI	none	Score	72
Exons	1437..1598, 1441..1587, 1614..1727, 1627..1695, 1716..1745, 1729..1812, 1743..1829, 1830..2033, 1849..2040		
Seq. No.	7497	Seq. ID	OJ990501_25.9604.C55
Gene No.	15809	Strand	-
Start	1848	End	2073
Name	OJ990501_25.9604.C55.o1.tc	Method	TBLASTX:Cress
Start	1716	End	2018
GI	none	Score	91
Exons	1716..1826, 1717..1818, 1854..1910, 1858..1902, 1872..2018, 1941..2012		
Seq. No.	7497	Seq. ID	OJ990501_25.9604.C55
Gene No.	15809	Strand	-
Start	1848	End	2073

Name	OJ990501_25.9604.C55.o2.gp	Method	AAT/GAP
Start	1848	End	2073
GI	5003188	Score	389
Exons	1848..2073		
GI Descrip.	2245012/emb CAB10432.1 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7498	Seq. ID	OJ990501_25.9604.C65
Gene No.	15810	Strand	-
Start	98	End	1033
Name	OJ990501_25.9604.C65.o1.gp	Method	AAT/GAP
Start	98	End	1029
GI	12954_1.R1084	Score	1024
Exons	98..450, 817..1029		
GI Descrip.	'4646206/gb AAD26879.1 AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	7498	Seq. ID	OJ990501_25.9604.C65
Gene No.	15810	Strand	-
Start	98	End	1033
Name	OJ990501_25.9604.C65.o1.tm	Method	TBLASTX:Maize
Start	358	End	1033
GI	none	Score	252
Exons	358..438, 413..445, 799..1029, 812..1027, 817..1029, 818..1033		

Seq. No.	7498	Seq. ID	OJ990501_25.9604.C65
Gene No.	15810	Strand	-
Start	98	End	1033
Name	OJ990501_25.9604.C65.o1.ts	Method	TBLASTX:Soybean
Start	807	End	1029
GI	none	Score	135
Exons	807..959, 814..978, 817..984, 818..985, 979..1029		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-
Start	293	End	1161
Name	OJ990501_25.9604.C66.o1.ts	Method	TBLASTX:Soybean
Start	272	End	1137
GI	none	Score	67
Exons	272..343, 292..345, 343..366, 382..486, 383..517, 395..487, 460..570, 485..565, 628..1041, 666..1043, 686..1072, 1050..1085, 1095..1136, 1099..1137		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-
Start	293	End	1161
Name	OJ990501_25.9604.C66.o1.tm	Method	TBLASTX:Maize
Start	275	End	1139
GI	none	Score	344
Exons	275..562, 287..544, 291..560, 292..561, 619..1086, 635..1087, 639..1088, 954..1088, 1081..1125, 1082..1126, 1086..1139, 1090..1137		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-

Start	293	End	1161
Name	OJ990501_25.9604.C66.ol.gp	Method	AAT/GAP
Start	293	End	1137
GI	12954.1.R1084	Score	1440
Exons	293..556, 640..1137		
GI Descrip.	'4646206/gb AAD26879.1 AC007230.13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-
Start	293	End	1161
Name	OJ990501_25.9604.C66.ol.tc	Method	TBLASTX:Cress
Start	301	End	719
GI	none	Score	235
Exons	301..561, 308..562, 639..719, 640..717		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-
Start	293	End	1161
Name	OJ990501_25.9604.C66.ol.tw	Method	TBLASTX:Wheat
Start	750	End	931
GI	none	Score	188
Exons	750..899, 750..899, 751..930, 755..931		

Seq. No.	7499	Seq. ID	OJ990501_25.9604.C66
Gene No.	15811	Strand	-
Start	293	End	1161
Name	OJ990501_25.9604.C66.o2.tc	Method	TBLASTX:Cress
Start	864	End	1161
GI	none	Score	134
Exons	864..899, 934..1083, 936..1085, 937..1086, 1084..1137, 1086..1139, 1090..1161		

Seq. No.	7500	Seq. ID	OJ990501_25.9604.C72
Gene No.	15812	Strand	-
Start	1888	End	2178
Name	OJ990501_25.9604.C72.ol.tw	Method	TBLASTX:Wheat
Start	1888	End	2178
GI	none	Score	201
Exons	1888..2178		

Seq. No.	7500	Seq. ID	OJ990501_25.9604.C72
Gene No.	15813	Strand	-
Start	5018	End	5329
Name	OJ990501_25.9604.C72.o2.tw	Method	TBLASTX:Wheat
Start	5018	End	5272
GI	none	Score	159
Exons	5018..5059, 5099..5272		

Seq. No.	7500	Seq. ID	OJ990501_25.9604.C72
Gene No.	15813	Strand	-
Start	5018	End	5329
Name	OJ990501_25.9604.C72.ol.tm	Method	TBLASTX:Maize
Start	5075	End	5329
GI	none	Score	101

Exons 5075..5176, 5076..5177, 5156..5329, 5157..5216

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15814	Strand	
Start	296	End	722
Name	OJ990501_25.9604.C74.o1.tm	Method	TBLASTX:Maize
Start	296	End	649
GI	none	Score	155
Exons	296..649, 299..595, 301..627, 333..647		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15814	Strand	
Start	296	End	722
Name	OJ990501_25.9604.C74.o1.tw	Method	TBLASTX:Wheat
Start	296	End	722
GI	none	Score	119
Exons	296..721, 298..660, 311..664, 348..722		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15814	Strand	
Start	296	End	722
Name	OJ990501_25.9604.C74.o2.ts	Method	TBLASTX:Soybean
Start	470	End	715
GI	none	Score	205
Exons	470..715		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15815	Strand	
Start	656	End	1115
Name	OJ990501_25.9604.C74.o3.tm	Method	TBLASTX:Maize
Start	656	End	1003
GI	none	Score	67
Exons	656..1003, 801..971		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15815	Strand	
Start	656	End	1115
Name	OJ990501_25.9604.C74.o2.tw	Method	TBLASTX:Wheat
Start	728	End	1024
GI	none	Score	174
Exons	728..1024, 765..980		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15815	Strand	
Start	656	End	1115
Name	OJ990501_25.9604.C74.o1.ts	Method	TBLASTX:Soybean
Start	737	End	1115
GI	none	Score	142
Exons	737..1054, 765..980, 1047..1115		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15816	Strand	
Start	1255	End	1563
Name	OJ990501_25.9604.C74.o3.tw	Method	TBLASTX:Wheat
Start	1255	End	1563
GI	none	Score	160
Exons	1255..1563, 1256..1459, 1261..1536		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15816	Strand	
Start	1255	End	1563
Name	OJ990501_25.9604.C74.o2.tm	Method	TBLASTX:Maize
Start	1264	End	1551
GI	none	Score	177
Exons	1264..1551, 1265..1450		

Seq. No.	7501	Seq. ID	OJ990501_25.9604.C74
Gene No.	15817	Strand	
Start	1567	End	1902
Name	OJ990501_25.9604.C74.o4.tw	Method	TBLASTX:Wheat
Start	1567	End	1902
GI	none	Score	56
Exons	1567..1665, 1568..1642, 1741..1902, 1748..1885		

Seq. No.	7502	Seq. ID	OJ990501_25.9604.C75
Gene No.	15818	Strand	-
Start	2345	End	2837
Name	OJ990501_25.9604.C75.o1.tm	Method	TBLASTX:Maize
Start	45	End	302
GI	none	Score	205
Exons	45..302		

Seq. No.	7502	Seq. ID	OJ990501_25.9604.C75
Gene No.	15818	Strand	-
Start	2345	End	2837
Name	OJ990501_25.9604.C75.o1.tw	Method	TBLASTX:Wheat
Start	183	End	560
GI	none	Score	264
Exons	183..560		

Seq. No.	7502	Seq. ID	OJ990501_25.9604.C75
Gene No.	15818	Strand	-
Start	2345	End	2837
Name	OJ990501_25.9604.C75.o1.gp	Method	AAT/GAP
Start	2345	End	2837
GI	38782_1.R1084	Score	812
Exons	2345..2837		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o1.gp	Method	AAT/GAP
Start	88	End	654
GI	569631	Score	568
Exons	88..281, 460..654		
GI Descrip.	4154281 5.0e-50 (AF082347) C13 endopeptidase NP1 precursor [Zea mays]		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o1.tc	Method	TBLASTX:Cress

Start	123	End	627
GI	none	Score	140
Exons	123..284, 124..282, 458..625, 460..627		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o1.tm	Method	TBLASTX:Maize
Start	123	End	627
GI	none	Score	185
Exons	123..284, 124..282, 178..291, 458..625, 460..627, 460..627		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o2.ts	Method	TBLASTX:Soybean
Start	123	End	284
GI	none	Score	130
Exons	123..284, 124..282		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o1.tw	Method	TBLASTX:Wheat
Start	458	End	627
GI	none	Score	197
Exons	458..625, 460..627		

Seq. No.	7503	Seq. ID	OJ990501_25.9604.C79
Gene No.	15819	Strand	-
Start	88	End	654
Name	OJ990501_25.9604.C79.o1.ts	Method	TBLASTX:Soybean
Start	463	End	627
GI	none	Score	216
Exons	463..627, 464..625, 466..561		

Seq. No.	7504	Seq. ID	OJ990501_25.9604.C84
Gene No.	15820	Strand	-
Start	1	End	228
Name	OJ990501_25.9604.C84.o1.gp	Method	AAT/GAP
Start	1	End	228
GI	LIB3474-001-P1-K1-F4	Score	386
Exons	1..228		
GI Descrip.	'5541710/emb CAB51215.1 5.0e-10 (AL096860) putative protein [Arabidopsis thaliana]'		

Seq. No.	7505	Seq. ID	OJ990501_25.9604.C85
Gene No.	15821	Strand	-
Start	39	End	792
Name	OJ990501_25.9604.C85.o1.tw	Method	TBLASTX:Wheat
Start	39	End	555
GI	none	Score	562
Exons	39..554, 40..555		

Seq. No.	7505	Seq. ID	OJ990501_25.9604.C85
Gene No.	15821	Strand	-
Start	39	End	792

Name	OJ990501_25.9604.C85.o1.tm	Method	TBLASTX:Maize
Start	108	End	705
GI	none	Score	88
Exons	108..260, 109..261, 112..270, 267..695, 268..705, 640..705		117..263, 266..349, 267..449,

Seq. No.	7505	Seq. ID	OJ990501_25.9604.C85
Gene No.	15821	Strand	
Start	39	End	792
Name	OJ990501_25.9604.C85.o2.tw	Method	TBLASTX:Wheat
Start	558	End	792
GI	none	Score	242
Exons	558..791, 559..792, 582..638		

Seq. No.	7506	Seq. ID	OJ990501_25.9604.C88
Gene No.	15822	Strand	-
Start	39	End	168
Name	OJ990501_25.9604.C88.o1.gp	Method	AAT/GAP
Start	39	End	168
GI	2310646	Score	225
Exons	39..168		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o1.tm	Method	TBLASTX:Maize
Start	69	End	531
GI	none	Score	46
Exons	69..185, 177..284, 179..283, 276..410, 277..411, 463..531		189..284, 190..285, 240..410,

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o1.ts	Method	TBLASTX:Soybean
Start	82	End	4325
GI	none	Score	34
Exons	82..99, 189..230, 190..231, 241..276, 243..278, 291..410, 292..408, 454..723, 561..728, 4138..4308, 4146..4223, 4263..4325		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o3.tw	Method	TBLASTX:Wheat
Start	90	End	405
GI	none	Score	36
Exons	90..185, 189..275, 190..279, 277..357, 364..405		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o1.tc	Method	TBLASTX:Cress
Start	129	End	4308
GI	none	Score	39
Exons	129..185, 189..230, 190..234, 229..408, 454..582, 565..723, 4206..4298, 4252..4308		241..276, 243..278, 291..410, 591..719, 4138..4248, 4146..4211,

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o1.gp	Method	AAT/GAP
Start	426	End	4375
GI	17607_1.R1084	Score	854
Exons	426..723, 4144..4375		
GI Descrip.	'1352468/sp P49175 INV1_MAIZE 2.0e-77 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]'		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o1.tw	Method	TBLASTX:Wheat
Start	469	End	723
GI	none	Score	310
Exons	469..723, 564..716, 604..723		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o2.tm	Method	TBLASTX:Maize
Start	546	End	717
GI	none	Score	273
Exons	546..716, 547..717		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o2.tw	Method	TBLASTX:Wheat
Start	4138	End	4308
GI	none	Score	175
Exons	4138..4308, 4138..4275, 4143..4283		

Seq. No.	7507	Seq. ID	OJ990501_25.9604.C91
Gene No.	15823	Strand	+
Start	426	End	4375
Name	OJ990501_25.9604.C91.o3.tm	Method	TBLASTX:Maize
Start	4138	End	4308
GI	none	Score	216
Exons	4138..4308, 4140..4307		

Seq. No.	7508	Seq. ID	OJ990501_25.9604.C92
Gene No.	15824	Strand	
Start	2069	End	2420
Name	OJ990501_25.9604.C92.o1.tw	Method	TBLASTX:Wheat
Start	2069	End	2420
GI	none	Score	286
Exons	2069..2263, 2070..2420		

Seq. No.	7508	Seq. ID	OJ990501_25.9604.C92
Gene No.	15824	Strand	
Start	2069	End	2420
Name	OJ990501_25.9604.C92.o1.tm	Method	TBLASTX:Maize
Start	2070	End	2375

GI	none	Score	222
Exons	2070..2375, 2084..2248		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15825	Strand	
Start	360	End	816
Name	OJ990501_25.9604.C93.o4.tw	Method	TBLASTX:Wheat
Start	360	End	816
GI	none	Score	52
Exons	360..779, 364..414, 438..590, 469..810, 499..816		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15825	Strand	
Start	360	End	816
Name	OJ990501_25.9604.C93.o5.tm	Method	TBLASTX:Maize
Start	375	End	665
GI	none	Score	51
Exons	375..665, 376..414, 472..663		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15826	Strand	
Start	733	End	1194
Name	OJ990501_25.9604.C93.o4.tm	Method	TBLASTX:Maize
Start	733	End	1194
GI	none	Score	62
Exons	733..780, 769..873, 880..1194, 1020..1073, 1101..1151		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15826	Strand	
Start	733	End	1194
Name	OJ990501_25.9604.C93.o1.ts	Method	TBLASTX:Soybean
Start	784	End	1143
GI	none	Score	470
Exons	784..1143, 786..821, 867..1142		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15826	Strand	
Start	733	End	1194
Name	OJ990501_25.9604.C93.o5.tw	Method	TBLASTX:Wheat
Start	856	End	1158
GI	none	Score	387
Exons	856..1158, 867..1142		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15827	Strand	
Start	1159	End	1593
Name	OJ990501_25.9604.C93.o3.tw	Method	TBLASTX:Wheat
Start	1159	End	1584
GI	none	Score	579
Exons	1159..1584, 1191..1580, 1222..1584		
Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15827	Strand	
Start	1159	End	1593
Name	OJ990501_25.9604.C93.o3.ts	Method	TBLASTX:Soybean
Start	1165	End	1410
GI	none	Score	205

Exons 1165..1410, 1182..1409

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15827	Strand	
Start	1159	End	1593
Name	OJ990501_25.9604.C93.o2.tm	Method	TBLASTX:Maize
Start	1230	End	1593
GI	none	Score	465
Exons	1230..1580, 1231..1584, 1231..1593		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o2.tw	Method	TBLASTX:Wheat
Start	1615	End	2151
GI	none	Score	650
Exons	1615..2151, 1671..2150		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o1.tc	Method	TBLASTX:Cress
Start	1858	End	2175
GI	none	Score	91
Exons	1858..2031, 2034..2174, 2035..2175		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o2.ts	Method	TBLASTX:Soybean
Start	1939	End	2199
GI	none	Score	292
Exons	1939..2199, 1944..2198		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o3.tm	Method	TBLASTX:Maize
Start	1997	End	2289
GI	none	Score	85
Exons	1997..2149, 1998..2285, 1999..2289		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o1.tw	Method	TBLASTX:Wheat
Start	2158	End	2784
GI	none	Score	692
Exons	2158..2784, 2214..2783		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o1.tm	Method	TBLASTX:Maize
Start	2338	End	2937
GI	none	Score	230
Exons	2338..2499, 2346..2492, 2497..2937, 2499..2921, 2659..2922		

Seq. No.	7509	Seq. ID	OJ990501_25.9604.C93
Gene No.	15828	Strand	
Start	1615	End	3117
Name	OJ990501_25.9604.C93.o6.tw	Method	TBLASTX:Wheat
Start	2784	End	3117
GI	none	Score	323
Exons	2784..3053, 2785..3117, 2788..3096		
Seq. No.	7510	Seq. ID	OJ990501_25.9604.C96
Gene No.	15829	Strand	+
Start	823	End	1204
Name	OJ990501_25.9604.C96.o1.gp	Method	AAT/GAP
Start	823	End	1204
GI	uC-osflcyp033a04b1	Score	683
Exons	823..1204		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	7511	Seq. ID	OJ990501_25.9604.C99
Gene No.	15830	Strand	
Start	171	End	385
Name	OJ990501_25.9604.C99.o1.tm	Method	TBLASTX:Maize
Start	171	End	385
GI	none	Score	131
Exons	171..281, 171..275, 253..330, 266..385, 269..385		
Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15831	Strand	
Start	46	End	304
Name	OJ990501_25.9604.C100.o3.tw	Method	TBLASTX:Wheat
Start	46	End	304
GI	none	Score	68
Exons	46..135, 47..136, 166..303, 167..304		
Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o2.tw	Method	TBLASTX:Wheat
Start	307	End	739
GI	none	Score	89
Exons	307..735, 527..739		
Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o1.tm	Method	TBLASTX:Maize
Start	394	End	837
GI	none	Score	55
Exons	394..420, 418..555, 430..549, 583..837, 584..805		
Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o1.ts	Method	TBLASTX:Soybean
Start	505	End	936
GI	none	Score	154

Exons 505..936, 539..889

Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o1.tw	Method	TBLASTX:Wheat
Start	781	End	1200
GI	none	Score	246
Exons	781..1200, 782..1198		

Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o2.tm	Method	TBLASTX:Maize
Start	1075	End	1333
GI	none	Score	172
Exons	1075..1332, 1079..1333		

Seq. No.	7512	Seq. ID	OJ990501_25.9604.C100
Gene No.	15832	Strand	
Start	307	End	1333
Name	OJ990501_25.9604.C100.o4.tw	Method	TBLASTX:Wheat
Start	1201	End	1329
GI	none	Score	106
Exons	1201..1329, 1202..1327		

Seq. No.	7513	Seq. ID	OJ990501_25.9604.C101
Gene No.	15833	Strand	-
Start	1	End	266
Name	OJ990501_25.9604.C101.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	LIB3431-058-P1-N1-E6	Score	457
Exons	1..266		
GI Descrip.	'4895238/gb AAD32823.1 AC007659_5 3.0e-22 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7514	Seq. ID	OJ990501_25.9604.C105
Gene No.	15834	Strand	
Start	720	End	1149
Name	OJ990501_25.9604.C105.o1.tw	Method	TBLASTX:Wheat
Start	720	End	1125
GI	none	Score	436
Exons	720..1124, 721..1125		

Seq. No.	7514	Seq. ID	OJ990501_25.9604.C105
Gene No.	15834	Strand	
Start	720	End	1149
Name	OJ990501_25.9604.C105.o1.tm	Method	TBLASTX:Maize
Start	799	End	1149
GI	none	Score	354
Exons	799..1149, 840..1145		

Seq. No.	7514	Seq. ID	OJ990501_25.9604.C105
Gene No.	15835	Strand	
Start	1125	End	1287
Name	OJ990501_25.9604.C105.o2.tw	Method	TBLASTX:Wheat
Start	1125	End	1287

GI	none	Score	186
Exons	1125..1283, 1126..1287		
Seq. No.	7515	Seq. ID	OJ990501_25.9604.C106
Gene No.	15836	Strand	-
Start	53	End	115
Name	OJ990501_25.9604.C106.o1.gp	Method	AAT/GAP
Start	53	End	115
GI	3760640	Score	62
Exons	53..115		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	7516	Seq. ID	OJ990501_25.9604.C108
Gene No.	15837	Strand	
Start	727	End	1005
Name	OJ990501_25.9604.C108.o1.ts	Method	TBLASTX:Soybean
Start	727	End	1005
GI	none	Score	204
Exons	727..1005		

Seq. No.	7517	Seq. ID	OJ990501_25.9604.C109
Gene No.	15838	Strand	
Start	168	End	413
Name	OJ990501_25.9604.C109.o2.tm	Method	TBLASTX:Maize
Start	168	End	413
GI	none	Score	183
Exons	168..389, 229..393, 248..409, 252..413		

Seq. No.	7517	Seq. ID	OJ990501_25.9604.C109
Gene No.	15839	Strand	
Start	480	End	998
Name	OJ990501_25.9604.C109.o1.ts	Method	TBLASTX:Soybean
Start	480	End	884
GI	none	Score	78
Exons	480..599, 672..884, 752..883		

Seq. No.	7517	Seq. ID	OJ990501_25.9604.C109
Gene No.	15839	Strand	
Start	480	End	998
Name	OJ990501_25.9604.C109.o1.tm	Method	TBLASTX:Maize
Start	483	End	932
GI	none	Score	127
Exons	483..599, 512..931, 648..932		

Seq. No.	7517	Seq. ID	OJ990501_25.9604.C109
Gene No.	15839	Strand	
Start	480	End	998
Name	OJ990501_25.9604.C109.o1.tw	Method	TBLASTX:Wheat
Start	645	End	998
GI	none	Score	253
Exons	645..998, 764..943		

Seq. No.	7518	Seq. ID	OJ990531_32.9A01.C1
Gene No.	15840	Strand	+
Start	808	End	1160
Name	OJ990531_32.9A01.C1.o1.gp	Method	AAT/GAP

Start 808
GI none
Exons 808..1160

End 1160
Score 613

Seq. No. 7518
Gene No. 15840
Start 808
Name OJ990531_32.9A01.C1.o1.gs
Start 859
GI none
Exons 859..1109

Seq. ID OJ990531_32.9A01.C1
Strand +
End 1160
Method GENSCAN
End 1109
Score .76

Seq. No. 7519
Gene No. 15841
Start 7677
Name OJ990531_32.9A01.C2.o3.gs
Start 7677
GI none
Exons 7677..7746, 8560..8700, 8839..9066, 9178..9655, 10781..10865,

Seq. ID OJ990531_32.9A01.C2
Strand +
End 16575
Method GENSCAN
End 16202
Score .69
12468..12731, 13253..13356, 13427..13491, 13576..13830,
14311..14582, 14632..14774, 14856..14988, 15555..15846,
15922..16202

Seq. No. 7519
Gene No. 15841
Start 7677
Name OJ990531_32.9A01.C2.o1.gp
Start 11115
GI uC-osflcyp088b12b1
Exons 11115..11222

Seq. ID OJ990531_32.9A01.C2
Strand +
End 16575
Method AAT/GAP
End 11222
Score 164

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No. 7519
Gene No. 15841
Start 7677
Name OJ990531_32.9A01.C2.o1.np
Start 14439
GI 2498706
Exons 14439..14582, 14668..14774, 14856..14988, 15555..15846,
15922..16149, 16225..16421

Seq. ID OJ990531_32.9A01.C2
Strand +
End 16575
Method AAT/NAP
End 16421
Score 983

GI Descrip. ORIGIN RECOGNITION COMPLEX SUBUNIT 2 gi|1113103 (U40269) atOrc2p [Arabidopsis thaliana] gi|3236239|gb|AAC23627.1| (AC004684) origin recognition complex protein [Arabidopsis thaliana]

Seq. No. 7519
Gene No. 15841
Start 7677
Name OJ990531_32.9A01.C2.o2.gp
Start 14511
GI 920_1.R1084
Exons 14511..14582, 14668..14774, 14856..14988, 15555..15844

Seq. ID OJ990531_32.9A01.C2
Strand +
End 16575
Method AAT/GAP
End 15844
Score 1049

GI Descrip. '2498706/sp|Q38899|ORC2 ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana]'

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15841	Strand	+
Start	7677	End	16575
Name	OJ990531_32.9A01.C2.o3.gp	Method	AAT/GAP
Start	16067	End	16575
GI	3768922	Score	697
Exons	16067..16149, 16225..16575		
GI Descrip.	2498706/sp Q38899 ORC2_ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana]		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15842	Strand	-
Start	180	End	2100
Name	OJ990531_32.9A01.C2.o1.gs	Method	GENSCAN
Start	180	End	2100
GI	none	Score	.69
Exons	180..365, 1954..2100		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15843	Strand	-
Start	16815	End	17049
Name	OJ990531_32.9A01.C2.o4.gp	Method	AAT/GAP
Start	16815	End	17049
GI	427687	Score	422
Exons	16815..17049		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o2.tc	Method	TBLASTX:Cress
Start	8635	End	21240
GI	none	Score	42
Exons	8635..8700, 8800..8853, 17073..17117, 17118..17147, 17119..17151, 17272..17538, 17274..17537, 17657..17800, 17665..17802, 18549..18650, 18550..18645, 18917..19153, 18918..19088, 19613..19657, 19658..19687, 19892..20146, 19896..20147, 19966..20157, 20278..20418, 20289..20420, 20698..20793, 20905..21096, 21106..21240		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	14478	End	16415
GI	none	Score	47
Exons	14478..14507, 14523..14582, 14537..14590, 14655..14777, 14665..14775, 14842..14991, 14853..14990, 15552..15845, 15641..15847, 15918..16175, 15919..16134, 15923..16174, 16223..16390, 16224..16415		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	15695	End	16034

GI	none	Score	184
Exons	15695..15847, 15696..15845, 15924..16034, 15924..16025, 15926..16033		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	15768	End	16152
GI	none	Score	76
Exons	15768..15845, 15770..15847, 15931..16092, 15932..16114, 15935..16147, 15936..16148, 15937..16152		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	16770	End	19948
GI	none	Score	154
Exons	16770..16811, 16851..16928, 16983..17144, 16999..17145, 17220..17339, 17232..17330, 17234..17335, 19514..19681, 19539..19682, 19827..19943, 19827..19946, 19841..19948, 19843..19947		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o4.gs	Method	GENSCAN
Start	17004	End	21240
GI	none	Score	.76
Exons	17004..17144, 17674..17838, 18516..18644, 18926..19279, 19841..20146, 20292..20456, 20665..20793, 20956..21240		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o2.np	Method	AAT/NAP
Start	17007	End	19219
GI	4490303	Score	1085
Exons	17007..17144, 17232..17537, 17674..17836, 18514..18644, 18926..19219		

GI Descrip. (AL035678) putative protein [Arabidopsis thaliana]

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	17256	End	20146
GI	none	Score	235
Exons	17256..17537, 17257..17562, 19865..20146, 19866..20141		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o5.gp	Method	AAT/GAP
Start	17520	End	18656
GI	LIB3432-040-P1-K1-D4	Score	835

Exons 17520..17838, 18516..18656
 GI Descrip. '4490303/emb|CAB38794.1| 4.0e-27 (AL035678) putative protein [Arabidopsis thaliana]'

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o3.ts	Method	TBLASTX:Soybean
Start	18492	End	21240
GI	none	Score	67
Exons	18492..18644, 18492..18644, 18511..18645, 18917..19153, 18918..19016, 20662..20799, 20672..20761, 20905..21096, 20959..21096, 21106..21240		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	18534	End	21247
GI	none	Score	79
Exons	18534..18584, 18534..18587, 18535..18585, 18582..18647, 18583..18645, 18917..19153, 18918..19085, 19158..19184, 20683..20736, 20687..20734, 20731..20799, 20732..20764, 20935..21096, 20947..21084, 21106..21246, 21161..21247		

Seq. No.	7519	Seq. ID	OJ990531_32.9A01.C2
Gene No.	15844	Strand	-
Start	17004	End	21276
Name	OJ990531_32.9A01.C2.o3.np	Method	AAT/NAP
Start	19547	End	21276
GI	4490303	Score	980
Exons	19547..19684, 19841..20146, 20292..20456, 20665..20793, 20956..21105, 21133..21276		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	7520	Seq. ID	OJ990531_32.9A01.C3
Gene No.	15845	Strand	+
Start	153	End	2435
Name	OJ990531_32.9A01.C3.o1.gs	Method	GENSCAN
Start	153	End	2435
GI	none	Score	.68
Exons	153..254, 725..756, 873..1047, 1095..1352, 1465..1503, 2289..2327, 2345..2435		

Seq. No.	7520	Seq. ID	OJ990531_32.9A01.C3
Gene No.	15845	Strand	+
Start	153	End	2435
Name	OJ990531_32.9A01.C3.o1.gp	Method	AAT/GAP
Start	868	End	1758
GI	none	Score	1252
Exons	868..1047, 1146..1352, 1465..1758		

Seq. No.	7520	Seq. ID	OJ990531_32.9A01.C3
Gene No.	15846	Strand	-
Start	2260	End	2897
Name	OJ990531_32.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	722	End	1347

GI	none	Score	189
Exons	722..757, 856..1047, 859..942, 870..1046, 872..1048, 979..1047, 1144..1338, 1146..1346, 1152..1346, 1153..1347		

Seq. No.	7520	Seq. ID	OJ990531_32.9A01.C3
Gene No.	15846	Strand	-
Start	2260	End	2897
Name	OJ990531_32.9A01.C3.o1.np	Method	AAT/NAP
Start	2260	End	2897
GI	2827714	Score	28
Exons	2260..2331, 2745..2897		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	7520	Seq. ID	OJ990531_32.9A01.C3
Gene No.	15846	Strand	-
Start	2260	End	2897
Name	OJ990531_32.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	2281	End	2673
GI	none	Score	72
Exons	2281..2340, 2283..2333, 2395..2496, 2404..2496, 2414..2497, 2415..2546, 2577..2657, 2577..2657, 2578..2673, 2602..2661		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15847	Strand	+
Start	8966	End	17547
Name	OJ990531_32.9A01.C4.o3.gs	Method	GENSCAN
Start	8966	End	17547
GI	none	Score	.52
Exons	8966..8973, 10040..10141, 10762..10806, 13971..14187, 14528..14695, 14883..14955, 15507..15578, 15603..15767, 15862..15921, 16130..16257, 16263..16449, 17423..17547		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15848	Strand	+
Start	27387	End	33966
Name	OJ990531_32.9A01.C4.o5.gs	Method	GENSCAN
Start	27387	End	33966
GI	none	Score	.77
Exons	27387..27461, 28396..28473, 28551..28670, 28774..28872, 28983..29120, 29217..29351, 29466..29645, 29727..29933, 30265..30384, 30475..30594, 30676..30798, 30849..31019, 31121..31265, 31341..31747, 31826..31876, 31951..32032, 32129..32289, 32397..32558, 32673..32855, 32982..33160, 33960..33966		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15848	Strand	+
Start	27387	End	33966
Name	OJ990531_32.9A01.C4.o5.np	Method	AAT/NAP
Start	28408	End	33501
GI	5669167	Score	3167
Exons	28408..28473, 28551..28670, 28774..28872, 28983..29120, 29217..29351, 29466..29645, 29727..29933, 30265..30384, 30475..30594, 30676..30798, 30915..31019, 31121..31265, 31341..31747, 31844..31876, 31951..32032, 32129..32289, 32385..32558, 32673..32855, 32982..33160, 33408..33501		

GI Descrip. (AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia]

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15849	Strand	-
Start	1	End	2148
Name	OJ990531_32.9A01.C4.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	6671958	Score	786
Exons	1..143, 565..1028, 1110..1650, 2014..2092		
GI Descrip. (AC013454) hypothetical protein [Arabidopsis thaliana]			

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15849	Strand	-
Start	1	End	2148
Name	OJ990531_32.9A01.C4.o1.gs	Method	GENSCAN
Start	9	End	1690
GI	none	Score	.41
Exons	9..143, 565..1028, 1110..1690		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15849	Strand	-
Start	1	End	2148
Name	OJ990531_32.9A01.C4.o1.gp	Method	AAT/GAP
Start	1379	End	2148
GI	none	Score	867
Exons	1379..1650, 1955..2148		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15850	Strand	-
Start	2949	End	8575
Name	OJ990531_32.9A01.C4.o2.np	Method	AAT/NAP
Start	2937	End	3935
GI	4490300	Score	1093
Exons	2937..3935		
GI Descrip. (AL035678) putative protein [Arabidopsis thaliana]			

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15850	Strand	-
Start	2949	End	8575
Name	OJ990531_32.9A01.C4.o2.gs	Method	GENSCAN
Start	2949	End	7899
GI	none	Score	.81
Exons	2949..3892, 6759..7392, 7516..7899		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15850	Strand	-
Start	2949	End	8575
Name	OJ990531_32.9A01.C4.o2.gp	Method	AAT/GAP
Start	3840	End	7123
GI	uC-osroM202028g08a1	Score	800
Exons	3840..3892, 6759..7123		
GI Descrip. '4490301/emb CAB38792.1 3.0e-28 (AL035678) hypothetical protein [Arabidopsis thaliana]'			

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15850	Strand	-

Start	2949	End	8575
Name	OJ990531_32.9A01.C4.o3.np	Method	AAT/NAP
Start	6659	End	8575
GI	4490301	Score	449
Exons	6659..6684, 6741..7296, 8549..8575		
GI Descrip.	(AL035678) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15850	Strand	-
Start	2949	End	8575
Name	OJ990531_32.9A01.C4.o3.gp	Method	AAT/GAP
Start	7501	End	7861
GI	none	Score	666
Exons	7501..7861		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15851	Strand	-
Start	15944	End	16158
Name	OJ990531_32.9A01.C4.o4.gp	Method	AAT/GAP
Start	15944	End	16158
GI	3107396	Score	426
Exons	15944..16158		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15852	Strand	-
Start	17626	End	18208
Name	OJ990531_32.9A01.C4.o5.gp	Method	AAT/GAP
Start	17626	End	18208
GI	none	Score	904
Exons	17626..18044, 18162..18208		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15853	Strand	-
Start	18138	End	26625
Name	OJ990531_32.9A01.C4.o4.gs	Method	GENSCAN
Start	18138	End	26625
GI	none	Score	.74
Exons	18138..18268, 18963..19107, 19520..19703, 19872..19967, 20339..20358, 22397..22559, 22668..22855, 23190..23235, 23587..23659, 23776..23869, 24175..24294, 24798..24946, 25165..25320, 26215..26347, 26497..26625		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15853	Strand	-
Start	18138	End	26625
Name	OJ990531_32.9A01.C4.o6.gp	Method	AAT/GAP
Start	18975	End	20044
GI	none	Score	920
Exons	18975..19107, 19520..19732, 19872..20044		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15853	Strand	-
Start	18138	End	26625
Name	OJ990531_32.9A01.C4.o7.gp	Method	AAT/GAP
Start	21913	End	26599
GI	841_1.R1084	Score	3622
Exons	21913..22275, 22397..22559, 22668..22855, 23190..23235,		

23433..23480, 23587..23689, 23776..23989, 24175..24294,
24798..24946, 25165..25320, 25806..25863, 26012..26100,
26215..26347, 26422..26599

GI Descrip. '4105639/gb|AAD02489.1| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]'

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15853	Strand	-
Start	18138	End	26625
Name	OJ990531_32.9A01.C4.o4.np	Method	AAT/NAP
Start	22213	End	26589
GI	4105639	Score	2517
Exons	22213..22275, 22397..22559, 22668..22855, 23190..23235, 23433..23480, 23587..23689, 23776..23989, 24175..24294, 24798..24946, 25165..25320, 25806..25863, 26012..26100, 26215..26347, 26422..26589		

GI Descrip. (AF049356) phytoene desaturase precursor [Oryza sativa]

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o10.tm	Method	TBLASTX:Maize
Start	678	End	941
GI	none	Score	142
Exons	678..941, 680..937		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	944	End	1333
GI	none	Score	90
Exons	944..1021, 960..1043, 1109..1138, 1124..1333, 1125..1331		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o7.ts	Method	TBLASTX:Soybean
Start	1373	End	1663
GI	none	Score	70
Exons	1373..1576, 1391..1663, 1431..1637		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o8.ts	Method	TBLASTX:Soybean
Start	2961	End	3200
GI	none	Score	65
Exons	2961..3011, 3012..3200, 3085..3198		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	2970	End	3359
GI	none	Score	119
Exons	2970..3269, 3097..3216, 3255..3359, 3288..3353		

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o1.tm
 Start 3007
 GI none
 Exons 3007..3819, 3009..3836

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Maize
 End 3836
 Score 894

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o2.tc
 Start 3156
 GI none
 Exons 3156..3200, 3160..3198, 3204..3269, 3270..3680, 3286..3633, 3717..3782, 3724..3783

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Cress
 End 3783
 Score 34

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o4.ts
 Start 3267
 GI none
 Exons 3267..3680, 3288..3476, 3289..3501, 3568..3681

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Soybean
 End 3681
 Score 103

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o9.tw
 Start 3654
 GI none
 Exons 3654..3830, 3706..3819

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Wheat
 End 3830
 Score 82

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o9.tm
 Start 6760
 GI none
 Exons 6760..6918, 6799..6891, 6985..7047, 6986..7084, 7054..7239

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Maize
 End 7239
 Score 61

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o6.tm
 Start 18773
 GI none
 Exons 18773..18958, 18782..18961, 18787..18978, 18787..18960, 18958..19008, 18959..19000, 19003..19110, 19013..19108, 19520..19591, 19524..19631

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Maize
 End 19631
 Score 133

Seq. No. 7521
 Gene No. 15854
 Start 33769
 Name OJ990531_32.9A01.C4.o8.tm
 Start 22202

Seq. ID OJ990531_32.9A01.C4
 Strand -
 End 39417
 Method TBLASTX:Maize
 End 22720

GI	none	Score	37
Exons	22202..22231, 22231..22278, 22232..22276, 22396..22560, 22397..22561, 22401..22562, 22667..22720, 22673..22720		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	22203	End	23238
GI	none	Score	83
Exons	22203..22277, 22204..22278, 22205..22270, 22396..22554, 22397..22555, 22397..22561, 22401..22562, 22658..22864, 22662..22856, 22666..22857, 22667..22858, 23188..23238, 23189..23236		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o3.tc	Method	TBLASTX:Cress
Start	22397	End	26354
GI	none	Score	217
Exons	22397..22561, 22401..22562, 22665..22856, 22667..22858, 22668..22856, 22669..22863, 22670..22858, 23190..23237, 23429..23488, 23432..23488, 23573..23686, 23581..23691, 23585..23692, 23586..23690, 23756..23989, 23766..23990, 23771..23992, 23929..23991, 24173..24298, 24173..24295, 24175..24297, 24796..24942, 24798..24926, 24798..24953, 24799..24954, 25163..25318, 25164..25319, 25805..25864, 25806..25865, 25807..25866, 26009..26086, 26011..26118, 26013..26114, 26210..26353, 26214..26354		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	22397	End	26353
GI	none	Score	132
Exons	22397..22558, 22397..22561, 22413..22562, 22665..22856, 22667..22858, 22668..22856, 23190..23237, 23429..23482, 23432..23488, 23581..23691, 23584..23685, 23586..23690, 23756..23989, 23766..23990, 23818..24000, 23839..23991, 24173..24298, 24173..24295, 24174..24296, 24175..24297, 24707..24733, 24796..24945, 24797..24946, 24798..24947, 24798..24953, 24799..24948, 25163..25318, 25164..25319, 25807..25866, 26009..26086, 26010..26114, 26011..26103, 26210..26353, 26214..26348		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o11.tm	Method	TBLASTX:Maize
Start	23864	End	25866
GI	none	Score	86
Exons	23864..23941, 23865..23939, 23875..23946, 23940..23990, 23942..23992, 23942..23989, 24173..24298, 24173..24295, 24175..24297, 24797..24943, 24798..24944, 24798..24953, 24799..24948, 24863..24955, 25163..25318, 25164..25319,		

25164..25325, 25175..25333, 25806..25862, 25807..25866

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	26015	End	26713
GI	none	Score	138
Exons	26015..26086, 26016..26102, 26017..26103, 26210..26353, 26214..26354, 26215..26364, 26215..26376, 26418..26507, 26419..26508, 26420..26509, 26491..26640, 26528..26713		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	28550	End	32855
GI	none	Score	106
Exons	28550..28675, 28551..28670, 28771..28869, 28773..28868, 28977..29123, 28977..29126, 29214..29351, 29216..29350, 29465..29644, 29465..29647, 29466..29651, 29724..29933, 29726..29932, 30257..30385, 30261..30350, 30261..30386, 30262..30387, 30472..30594, 30528..30599, 30673..30801, 30675..30797, 30888..31025, 31120..31266, 31124..31267, 31330..31422, 31331..31537, 31501..31518, 31550..31606, 31588..31746, 31589..31750, 31844..31876, 31941..32033, 31954..32034, 32116..32286, 32127..32321, 32391..32561, 32391..32558, 32396..32560, 32672..32851, 32673..32855		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	28550	End	28872
GI	none	Score	124
Exons	28550..28675, 28551..28670, 28771..28872, 28773..28871		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o6.ts	Method	TBLASTX:Soybean
Start	28551	End	29273
GI	none	Score	123
Exons	28551..28670, 28559..28675, 28771..28872, 28773..28877, 28977..29123, 28995..29105, 29214..29273		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	28593	End	33504
GI	none	Score	65
Exons	28593..28670, 28771..28872, 28773..28877, 28977..29123, 28977..29126, 29214..29351, 29216..29302, 29462..29638, 29466..29651, 29472..29648, 29724..29933, 29726..29974, 30249..30389, 30261..30386, 30262..30387, 30472..30594, 30528..30593, 30662..30799, 30673..30801, 30687..30797,		

30688..30798, 30888..31025, 30953..31012, 31118..31267,
 31119..31268, 31120..31266, 31321..31518, 31331..31537,
 31457..31525, 31550..31750, 31582..31746, 31843..31887,
 31844..31879, 31844..31894, 31941..32033, 31951..32034,
 31954..32034, 32116..32295, 32127..32321, 32391..32561,
 32396..32560, 32672..32830, 32673..32855, 32748..32855,
 33406..33504

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	29007	End	29753
GI	none	Score	63
Exons	29007..29123, 29013..29126, 29214..29351, 29214..29357, 29465..29647, 29466..29651, 29724..29753		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	29274	End	30801
GI	none	Score	113
Exons	29274..29351, 29277..29357, 29465..29647, 29466..29651, 29724..29933, 29726..29932, 29747..29935, 30249..30389, 30255..30386, 30262..30387, 30472..30594, 30505..30594, 30507..30599, 30528..30599, 30673..30801, 30673..30801, 30709..30756		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	29754	End	30389
GI	none	Score	237
Exons	29754..29933, 29759..29932, 30261..30386, 30261..30389, 30262..30387		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	30912	End	33513
GI	none	Score	102
Exons	30912..31025, 31109..31261, 31118..31267, 31120..31266, 31321..31422, 31331..31537, 31498..31518, 31550..31750, 31582..31746, 31844..31876, 31954..32034, 32116..32295, 32118..32297, 32391..32561, 32396..32560, 32658..32855, 32672..32833, 33406..33513		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	30959	End	32699
GI	none	Score	68
Exons	30959..31039, 30966..31025, 31118..31267, 31120..31266,		

31321..31422, 31331..31537, 31457..31525, 31550..31750,
 31582..31746, 31824..31862, 31844..31879, 31941..32033,
 31951..32034, 32116..32295, 32127..32285, 32128..32295,
 32132..32311, 32391..32561, 32396..32560, 32673..32699

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o8.gp	Method	AAT/GAP
Start	33769	End	35065
GI	40641_1.R1084	Score	1395
Exons	33769..34168, 34267..34424, 34532..34662, 34956..35065		
GI Descrip.	'3360289 3.0e-42 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	33822	End	36713
GI	none	Score	36
Exons	33822..33857, 33885..33929, 33892..33927, 33919..33993, 34017..34136, 34022..34066, 34049..34174, 34059..34169, 34064..34171, 34268..34426, 34269..34427, 34270..34428, 34270..34431, 34532..34663, 34534..34665, 34948..35091, 34956..35090, 35537..35617, 35538..35813, 35539..35814, 35540..35815, 35660..35824, 36144..36356, 36145..36330, 36312..36431, 36313..36432, 36328..36432, 36333..36440, 36519..36668, 36523..36669, 36525..36713		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o6.gs	Method	GENSCAN
Start	34025	End	39239
GI	none	Score	.86
Exons	34025..34168, 34268..34375, 34956..35091, 35541..35812, 36147..36430, 36725..36813, 36890..36955, 37034..37099, 37846..37917, 38011..38143, 39125..39239		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o6.np	Method	AAT/NAP
Start	34028	End	38143
GI	3360289	Score	2642
Exons	34028..34168, 34268..34424, 34532..34662, 34956..35091, 35541..35812, 36147..36430, 36524..36813, 36890..36955, 37034..37099, 37180..37251, 37376..37447, 37535..37606, 37689..37763, 37846..37917, 38011..38143		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o5.ts	Method	TBLASTX:Soybean

Start	34034	End	36432
GI	none	Score	91
Exons	34034..34174, 34071..34169, 34268..34426, 34272..34427, 34532..34645, 34534..34647, 34964..35086, 34965..35084, 34965..35090, 34981..35091, 35214..35270, 35538..35732, 35540..35755, 35744..35815, 35754..35813, 36144..36425, 36145..36432		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o5.tc	Method	TBLASTX:Cress
Start	34046	End	34428
GI	none	Score	115
Exons	34046..34174, 34080..34169, 34084..34170, 34268..34426, 34269..34427, 34270..34428		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	34319	End	34651
GI	none	Score	96
Exons	34319..34423, 34517..34651, 34531..34644		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o4.tc	Method	TBLASTX:Cress
Start	34984	End	36419
GI	none	Score	90
Exons	34984..35091, 34986..35090, 35371..35397, 35523..35759, 35538..35813, 35540..35815, 36144..36356, 36145..36303, 36255..36353, 36276..36419		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o9.gp	Method	AAT/GAP
Start	36276	End	39417
GI	49249_1.R1084	Score	2520
Exons	36276..36430, 36524..36813, 36890..36955, 37034..37099, 37180..37251, 37376..37447, 37535..37606, 37689..37763, 37846..37917, 38011..38143, 39125..39417		

GI Descrip. '3360289 1.0e-126 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	36889	End	37446
GI	none	Score	99
Exons	36889..36966, 36890..36955, 37028..37099, 37035..37097, 37036..37098, 37177..37251, 37179..37250, 37192..37251, 37193..37270, 37346..37435, 37370..37435, 37402..37446		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o9.ts	Method	TBLASTX:Soybean
Start	36901	End	37251
GI	none	Score	54
Exons	36901..36954, 36902..36955, 37021..37098, 37028..37102, 37039..37098, 37177..37251, 37179..37250		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	37183	End	39176
GI	none	Score	74
Exons	37183..37236, 37185..37235, 37188..37241, 37364..37459, 37398..37439, 37402..37446, 37534..37605, 37535..37606, 37536..37607, 37537..37626, 37688..37762, 37689..37763, 37806..37913, 37833..37916, 37847..37915, 38011..38142, 38011..38136, 38024..38143, 38034..38144, 39099..39176		

Seq. No.	7521	Seq. ID	OJ990531_32.9A01.C4
Gene No.	15854	Strand	-
Start	33769	End	39417
Name	OJ990531_32.9A01.C4.o6.tc	Method	TBLASTX:Crèss
Start	37534	End	38141
GI	none	Score	43
Exons	37534..37605, 37736..37762, 37836..37916, 37891..37920, 38011..38112, 38034..38141		

Seq. No.	7522	Seq. ID	OJ990531_32.9A01.C5
Gene No.	15855	Strand	+
Start	1014	End	1273
Name	OJ990531_32.9A01.C5.o1.gp	Method	AAT/GAP
Start	1014	End	1273
GI	LIB3434-035-P1-K1-A7	Score	456
Exons	1014..1273		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	7522	Seq. ID	OJ990531_32.9A01.C5
Gene No.	15856	Strand	+
Start	5588	End	8510
Name	OJ990531_32.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	5518	End	6160
GI	none	Score	58
Exons	5518..5628, 5582..5632, 5714..5764, 5714..5764, 5898..5927, 5995..6066, 5995..6066, 6136..6159, 6137..6160		

Seq. No.	7522	Seq. ID	OJ990531_32.9A01.C5
Gene No.	15856	Strand	+
Start	5588	End	8510
Name	OJ990531_32.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	5576	End	7356
GI	none	Score	59
Exons	5576..5632, 5687..5764, 5712..5765, 5714..5803, 5898..5927, 5987..6064, 5995..6066, 5995..6066, 5997..6068, 6136..6198,		

6136..6198, 6138..6200, 6138..6200, 6339..6434, 6344..6430,
6357..6434, 6801..6920, 6809..6919, 6995..7108, 6996..7109,
7000..7122, 7189..7356, 7195..7329

Seq. No. 7522 Seq. ID OJ990531_32.9A01.C5
Gene No. 15856 Strand +
Start 5588 End 8510
Name OJ990531_32.9A01.C5.o1.np Method AAT/NAP
Start 5588 End 8510
GI 461498 Score 805
Exons 5588..5626, 5715..5765, 5871..5921, 5998..6063, 6139..6200,
6356..6434, 6813..6917, 6996..7106, 7189..7338, 8488..8510
GI Descrip. ALANINE AMINOTRANSFERASE 2 (GPT) (GLUTAMIC--PYRUVIC TRANSAMINASE
2). (GLUTAMIC--ALANINE TRANSAMINASE 2) (ALAAT-2)
gi|320619|pir||S28429 alanine transaminase (EC 2.6.1.2) - proso
millet gi|296204|emb|CAA49199| (X69421) alanine aminotransferase
[Panicum miliaceum]

Seq. No. 7522 Seq. ID OJ990531_32.9A01.C5
Gene No. 15856 Strand +
Start 5588 End 8510
Name OJ990531_32.9A01.C5.o2.gs Method GENSCAN
Start 5588 End 7005
GI none Score .8
Exons 5588..5666, 5824..5921, 6118..6200, 6356..6434, 6813..6955,
6996..7005

Seq. No. 7522 Seq. ID OJ990531_32.9A01.C5
Gene No. 15856 Strand +
Start 5588 End 8510
Name OJ990531_32.9A01.C5.o1.tc Method TBLASTX:Cress
Start 5600 End 7335
GI none Score 38
Exons 5600..5632, 5712..5765, 5995..6066, 6006..6068, 6136..6198,
6321..6434, 6347..6442, 6801..6920, 6812..6919, 6995..7108,
6996..7109, 6997..7110, 7184..7330, 7188..7313, 7188..7334,
7189..7335, 7189..7335

Seq. No. 7522 Seq. ID OJ990531_32.9A01.C5
Gene No. 15856 Strand +
Start 5588 End 8510
Name OJ990531_32.9A01.C5.o1.ts Method TBLASTX:Soybean
Start 5600 End 7331
GI none Score 41
Exons 5600..5632, 5712..5765, 5714..5761, 5867..5920, 5898..5927,
5995..6066, 5997..6068, 6136..6198, 6136..6198, 6320..6418,
6327..6434, 6801..6920, 6809..6919, 6811..6966, 6995..7108,
6996..7109, 7036..7116, 7179..7328, 7188..7331, 7189..7329

Seq. No. 7522 Seq. ID OJ990531_32.9A01.C5
Gene No. 15856 Strand +
Start 5588 End 8510
Name OJ990531_32.9A01.C5.o1.tw Method TBLASTX:Wheat
Start 6345 End 7052
GI none Score 118
Exons 6345..6434, 6350..6436, 6353..6439, 6801..6920, 6812..6919,
6995..7051, 6996..7052

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15857	Strand	+
Start	237	End	1659
Name	OJ990531_32.9A01.C6.o1.gs	Method	GENSCAN
Start	237	End	1659
GI	none	Score	.8
Exons	237..311, 435..555, 637..791, 879..953, 1046..1249, 1543..1659		

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15857	Strand	+
Start	237	End	1659
Name	OJ990531_32.9A01.C6.o1.np	Method	AAT/NAP
Start	237	End	1656
GI	4730884	Score	874
Exons	237..311, 435..555, 637..791, 879..953, 1046..1249, 1543..1656		
GI Descrip.	(AB007404) alanine aminotransferase [Oryza sativa] gi 4730886 dbj BAA77261.1 (AB007405) alanine aminotransferase [Oryza sativa]		

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15858	Strand	+
Start	5629	End	6285
Name	OJ990531_32.9A01.C6.o3.gs	Method	GENSCAN
Start	5629	End	6285
GI	none	Score	.95
Exons	5629..5948, 6114..6285		

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15859	Strand	+
Start	8187	End	8948
Name	OJ990531_32.9A01.C6.o4.gs	Method	GENSCAN
Start	8187	End	8948
GI	none	Score	.64
Exons	8187..8279, 8736..8948		

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15860	Strand	+
Start	10478	End	10583
Name	OJ990531_32.9A01.C6.o1.gp	Method	AAT/GAP
Start	10478	End	10583
GI	LIB3477-003-P1-K1-E9	Score	155
Exons	10478..10583		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7523	Seq. ID	OJ990531_32.9A01.C6
Gene No.	15861	Strand	+
Start	12894	End	12985
Name	OJ990531_32.9A01.C6.o2.gp	Method	AAT/GAP
Start	12894	End	12985
GI	14887_1.R1084	Score	158
Exons	12894..12985		
GI Descrip.	'3264767 8.0e-14 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No. 7523
 Gene No. 15862
 Start 2253
 Name OJ990531_32.9A01.C6.o2.gs
 Start 2253
 GI none
 Exons 2253..2467, 3355..3424

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 3424
 Method GENSCAN
 End 3424
 Score .55

Seq. No. 7523
 Gene No. 15863
 Start 9805
 Name OJ990531_32.9A01.C6.o1.tm
 Start 234
 GI none
 Exons 234..314, 433..537, 434..556, 435..557, 616..792, 636..794, 636..794, 863..955, 877..963, 1040..1252, 1043..1252, 1539..1658, 1540..1731

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 12537
 Method TBLASTX:Maize
 End 1731
 Score 95

Seq. No. 7523
 Gene No. 15863
 Start 9805
 Name OJ990531_32.9A01.C6.o1.tc
 Start 435
 GI none
 Exons 435..536, 636..665, 654..791, 671..787, 882..953, 1040..1252, 1051..1251, 1540..1659, 1542..1655

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 12537
 Method TBLASTX:Cress
 End 1659
 Score 123

Seq. No. 7523
 Gene No. 15863
 Start 9805
 Name OJ990531_32.9A01.C6.o1.ts
 Start 441
 GI none
 Exons 441..557, 443..556, 636..794, 636..803, 876..953, 1040..1252, 1051..1251, 1533..1655, 1540..1659

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 12537
 Method TBLASTX:Soybean
 End 1659
 Score 128

Seq. No. 7523
 Gene No. 15863
 Start 9805
 Name OJ990531_32.9A01.C6.o1.tw
 Start 4555
 GI none
 Exons 4555..4665, 5608..5763, 5626..5760, 5862..5954, 5863..5949

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 12537
 Method TBLASTX:Wheat
 End 5954
 Score 110

Seq. No. 7523
 Gene No. 15863
 Start 9805
 Name OJ990531_32.9A01.C6.o5.gs
 Start 9805
 GI none
 Exons 9805..10008, 10788..10961, 11526..11577, 12395..12537

Seq. ID OJ990531_32.9A01.C6
 Strand -
 End 12537
 Method GENSCAN
 End 12537
 Score .81

Seq. No. 7524
 Gene No. 15864
 Start 1
 Name OJ990531_32.9A01.C7.o1.gp
 Start 1

Seq. ID OJ990531_32.9A01.C7
 Strand +
 End 120
 Method AAT/GAP
 End 120

GI	14887_1.R1084	Score	232
Exons	1..120		
GI Descrip.	'3264767 8.0e-14 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No.	7524	Seq. ID	OJ990531_32.9A01.C7
Gene No.	15865	Strand	+
Start	68	End	617
Name	OJ990531_32.9A01.C7.o1.gs	Method	GENSCAN
Start	68	End	617
GI	none	Score	.99
Exons	68..617		

Seq. No.	7524	Seq. ID	OJ990531_32.9A01.C7
Gene No.	15865	Strand	+
Start	68	End	617
Name	OJ990531_32.9A01.C7.o2.gp	Method	AAT/GAP
Start	139	End	596
GI	none	Score	858
Exons	139..596		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15866	Strand	+
Start	1	End	5530
Name	OJ990531_32.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	5530
GI	4455176	Score	1270
Exons	1..501, 1349..2512, 5481..5530		
GI Descrip.	(AL035521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15866	Strand	+
Start	1	End	5530
Name	OJ990531_32.9A01.C9.o1.gs	Method	GENSCAN
Start	196	End	3219
GI	none	Score	.85
Exons	196..504, 1349..2506, 2773..3219		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15867	Strand	+
Start	7420	End	16340
Name	OJ990531_32.9A01.C9.o1.gp	Method	AAT/GAP
Start	7420	End	10354
GI	none	Score	891
Exons	7420..7480, 9949..10354		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15867	Strand	+
Start	7420	End	16340
Name	OJ990531_32.9A01.C9.o3.gs	Method	GENSCAN
Start	9828	End	16340
GI	none	Score	.58
Exons	9828..11027, 11543..11680, 11768..11940, 12003..12183, 12802..12976, 13590..13695, 14132..14217, 14575..14693, 14953..15005, 15238..15323, 16291..16340		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
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Gene No.	15867	Strand	+
Start	7420	End	16340
Name	OJ990531_32.9A01.C9.o2.gp	Method	AAT/GAP
Start	10914	End	11214
GI	5607395	Score	583
Exons	10914..11214		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15867	Strand	+
Start	7420	End	16340
Name	OJ990531_32.9A01.C9.o2.np	Method	AAT/NAP
Start	11545	End	12440
GI	5669167	Score	583
Exons	11545..11680, 11768..11902, 12003..12183, 12273..12440		
GI Descrip.	(AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia]		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15868	Strand	+
Start	20147	End	20668
Name	OJ990531_32.9A01.C9.o4.gp	Method	AAT/GAP
Start	20101	End	20668
GI	20783_2.R1084	Score	803
Exons	20101..20411, 20521..20668		
GI Descrip.	'3264767 2.0e-23 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15868	Strand	+
Start	20147	End	20668
Name	OJ990531_32.9A01.C9.o4.np	Method	AAT/NAP
Start	20147	End	20668
GI	6176534	Score	217
Exons	20147..20425, 20505..20668		
GI Descrip.	(AF190770) EREBP-like protein [Oryza sativa]		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15868	Strand	+
Start	20147	End	20668
Name	OJ990531_32.9A01.C9.o5.gs	Method	GENSCAN
Start	20147	End	20455
GI	none	Score	.92
Exons	20147..20455		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15869	Strand	-
Start	10403	End	14847
Name	OJ990531_32.9A01.C9.o3.np	Method	AAT/NAP
Start	10403	End	14847
GI	3360289	Score	233
Exons	10403..10481, 12731..12954, 13027..13092, 13173..13238, 14768..14847		
GI Descrip.	(AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-

Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	2363	End	2506
GI	none	Score	226
Exons	2363..2506, 2365..2505		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	9953	End	11038
GI	none	Score	462
Exons	9953..10516, 9954..10313, 9958..10548, 10374..10565, 10377..10559, 10425..10649, 10519..10638, 10527..10652, 10617..10802, 10632..10775, 10654..10803, 10672..10809, 10712..10810, 10827..10907, 10928..11038, 10929..11036		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	11543	End	12613
GI	none	Score	164
Exons	11543..11686, 11555..11683, 11765..11899, 11767..11883, 11999..12049, 12003..12050, 12037..12189, 12042..12176, 12273..12398, 12278..12379, 12374..12430, 12490..12558, 12551..12613		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	11555	End	12558
GI	none	Score	172
Exons	11555..11683, 11555..11722, 11765..11899, 11767..11892, 12002..12046, 12003..12047, 12037..12189, 12042..12185, 12273..12398, 12273..12380, 12275..12397, 12373..12429, 12374..12430, 12490..12558, 12502..12540		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	11555	End	11824
GI	none	Score	160
Exons	11555..11683, 11555..11665, 11765..11824		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	11567	End	12189
GI	none	Score	106
Exons	11567..11683, 11573..11686, 11764..11895, 11765..11899, 12002..12049, 12003..12050, 12037..12189, 12042..12185		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
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Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	11825	End	12398
GI	none	Score	92
Exons	11825..11899, 11827..11889, 12002..12040, 12003..12050, 12036..12185, 12037..12189, 12273..12398, 12278..12379, 12291..12380		

Seq. No.	7525	Seq. ID	OJ990531_32.9A01.C9
Gene No.	15870	Strand	-
Start	16538	End	18030
Name	OJ990531_32.9A01.C9.o4.gs	Method	GENSCAN
Start	16538	End	18030
GI	none	Score	.44
Exons	16538..16732, 16942..17064, 17830..18030		

Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15871	Strand	+
Start	88	End	991
Name	OJ990531_32.9A01.C10.o1.gs	Method	GENSCAN
Start	88	End	399
GI	none	Score	.55
Exons	88..399		

Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15871	Strand	+
Start	88	End	991
Name	OJ990531_32.9A01.C10.o1.gp	Method	AAT/GAP
Start	279	End	991
GI	none	Score	1120
Exons	279..435, 547..991		

Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15872	Strand	+
Start	4061	End	5673
Name	OJ990531_32.9A01.C10.o3.gp	Method	AAT/GAP
Start	4014	End	4722
GI	26037_1.R1084	Score	1132
Exons	4014..4334, 4450..4722		
GI Descrip.	'4138299/emb CAA75509 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]'		

Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15872	Strand	+
Start	4061	End	5673
Name	OJ990531_32.9A01.C10.o1.np	Method	AAT/NAP
Start	4061	End	5673
GI	6176534	Score	256
Exons	4061..4292, 4440..4794, 5579..5673		
GI Descrip.	(AF190770) EREBP-like protein [Oryza sativa]		

Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15872	Strand	+
Start	4061	End	5673
Name	OJ990531_32.9A01.C10.o2.gs	Method	GENSCAN
Start	4061	End	5573

GI	none	Score	.81
Exons	4061..4292, 4450..4872, 5320..5573		
Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15873	Strand	-
Start	1698	End	2628
Name	OJ990531_32.9A01.C10.o2.gp	Method	AAT/GAP
Start	1698	End	2628
GI	none	Score	919
Exons	1698..1918, 2213..2251, 2396..2628		
Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15874	Strand	
Start	4046	End	4733
Name	OJ990531_32.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	4046	End	4733
GI	none	Score	93
Exons	4046..4132, 4060..4134, 4545..4733, 4559..4624		
Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15874	Strand	
Start	4046	End	4733
Name	OJ990531_32.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	4545	End	4709
GI	none	Score	208
Exons	4545..4709, 4559..4624		
Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15874	Strand	
Start	4046	End	4733
Name	OJ990531_32.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	4545	End	4733
GI	none	Score	228
Exons	4545..4733, 4559..4624		
Seq. No.	7526	Seq. ID	OJ990531_32.9A01.C10
Gene No.	15874	Strand	
Start	4046	End	4733
Name	OJ990531_32.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	4545	End	4709
GI	none	Score	191
Exons	4545..4709, 4559..4627		
Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15875	Strand	+
Start	1	End	393
Name	OJ990531_32.9A01.C11.o1.gp	Method	AAT/GAP
Start	1	End	393
GI	none	Score	765
Exons	1..393		
Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15876	Strand	+
Start	1454	End	4740
Name	OJ990531_32.9A01.C11.o2.gp	Method	AAT/GAP
Start	1454	End	2612
GI	44238_1.R1084	Score	678

Exons 1454..1716, 2421..2477, 2564..2612
 GI Descrip. '4490292/emb|CAB38783.1| 9.0e-17 (AL035678) putative protein [Arabidopsis thaliana]'

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15876 Strand +
 Start 1454 End 4740
 Name OJ990531_32.9A01.C11.o1.np Method AAT/NAP
 Start 1597 End 4472
 GI 4490292 Score 633
 Exons 1597..1710, 2421..2477, 2564..2614, 2712..2774, 3197..3247, 3330..3396, 3935..4017, 4275..4472
 GI Descrip. (AL035678) putative protein [Arabidopsis thaliana]

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15876 Strand +
 Start 1454 End 4740
 Name OJ990531_32.9A01.C11.o1.gs Method GENSCAN
 Start 1609 End 4475
 GI none Score .88
 Exons 1609..1716, 2421..2477, 2564..2614, 3197..3247, 3330..3396, 3935..4017, 4275..4475

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15876 Strand +
 Start 1454 End 4740
 Name OJ990531_32.9A01.C11.o3.gp Method AAT/GAP
 Start 2394 End 2777
 GI 42089_1.R1084 Score 213
 Exons 2394..2477, 2564..2614, 2712..2777
 GI Descrip. '4490292/emb|CAB38783.1| 5.0e-31 (AL035678) putative protein [Arabidopsis thaliana]'

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15876 Strand +
 Start 1454 End 4740
 Name OJ990531_32.9A01.C11.o4.gp Method AAT/GAP
 Start 3944 End 4740
 GI 24324_1.R1084 Score 1030
 Exons 3944..4017, 4275..4740
 GI Descrip. '4490292/emb|CAB38783.1| 5.0e-30 (AL035678) putative protein [Arabidopsis thaliana]'

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15877 Strand +
 Start 5244 End 7453
 Name OJ990531_32.9A01.C11.o5.gp Method AAT/GAP
 Start 5244 End 7453
 GI 1913_2.R1084 Score 2350
 Exons 5244..5524, 5924..6186, 6409..6473, 6578..6758, 7010..7453
 GI Descrip. '3334320/sp|O22518|RSP4_SOYBN 4.0e-64 40S RIBOSOMAL PROTEIN SA (P40) >gi_2444420 (AF020553) ribosome-associated protein p40 [Glycine max]'

Seq. No. 7527 Seq. ID OJ990531_32.9A01.C11
 Gene No. 15877 Strand +
 Start 5244 End 7453

Name	OJ990531_32.9A01.C11.o2.np	Method	AAT/NAP
Start	5371	End	7104
GI	3334320	Score	979
Exons	5371..5524, 5924..6186, 6276..6473, 6578..6762, 6987..7104		
GI Descrip.	40S RIBOSOMAL PROTEIN SA (P40) gi 2444420 (AF020553) ribosome-associated protein p40 [Glycine max]		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15877	Strand	+
Start	5244	End	7453
Name	OJ990531_32.9A01.C11.o2.gs	Method	GENSCAN
Start	5380	End	7140
GI	none	Score	.99
Exons	5380..5524, 5924..6186, 6276..6473, 6578..6758, 7010..7140		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15878	Strand	-
Start	8281	End	8482
Name	OJ990531_32.9A01.C11.o6.gp	Method	AAT/GAP
Start	8281	End	8482
GI	427202	Score	332
Exons	8281..8482		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o4.tw	Method	TBLASTX:Wheat
Start	1609	End	3963
GI	none	Score	168
Exons	1609..1722, 1662..1718, 2405..2476, 2406..2477, 2421..2477, 2540..2614, 2553..2609, 2561..2614, 2709..2774, 2711..2773, 3186..3254, 3197..3247, 3198..3254, 3329..3397, 3330..3413, 3886..3963		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o6.tm	Method	TBLASTX:Maize
Start	1609	End	4029
GI	none	Score	166
Exons	1609..1767, 1662..1718, 2420..2476, 2421..2477, 2430..2477, 2561..2614, 2561..2614, 2709..2774, 2711..2773, 3196..3246, 3197..3247, 3329..3397, 3330..3413, 3886..4029, 3933..4016		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o5.ts	Method	TBLASTX:Soybean
Start	1618	End	4475
GI	none	Score	125
Exons	1618..1722, 2417..2476, 2421..2477, 2561..2614, 2561..2614, 2709..2774, 2711..2773, 3196..3246, 3197..3247, 3323..3397, 3330..3413, 3886..4029, 3933..4016, 4272..4352, 4274..4351, 4359..4475, 4364..4474		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-

Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o4.tm	Method	TBLASTX:Maize
Start	4227	End	4480
GI	none	Score	342
Exons	4227..4478, 4229..4480, 4230..4475		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	5425	End	6757
GI	none	Score	148
Exons	5425..5532, 5449..5532, 5469..5543, 5922..6185, 5923..6186, 5923..6186, 6273..6476, 6273..6473, 6275..6475, 6572..6601, 6683..6757		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	5425	End	6754
GI	none	Score	167
Exons	5425..5532, 5446..5517, 5460..5528, 5922..6185, 5923..6186, 5926..6186, 6273..6476, 6273..6473, 6275..6475, 6579..6701, 6713..6754		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	5425	End	7285
GI	none	Score	174
Exons	5425..5532, 5446..5523, 5460..5528, 5910..5978, 5922..6179, 5923..6186, 6273..6476, 6274..6477, 6275..6475, 6572..6601, 6576..6602, 6644..6739, 6644..6739, 6655..6753, 7009..7041, 7089..7112, 7108..7188, 7256..7285		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	5910	End	6605
GI	none	Score	73
Exons	5910..5978, 5925..6185, 5926..6186, 5926..6186, 6095..6220, 6273..6476, 6273..6473, 6274..6474, 6275..6475, 6572..6601, 6576..6605		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o4.tc	Method	TBLASTX:Cress
Start	7701	End	7874
GI	none	Score	162
Exons	7701..7733, 7711..7734, 7724..7867, 7731..7874, 7740..7868		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-

Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.gs	Method	GENSCAN
Start	8563	End	15035
GI	none	Score	.65
Exons	8563..8756, 9384..9408, 9447..9528, 9714..9872, 9965..10153, 10684..10794, 10937..11058, 11358..11673, 11951..12061, 12168..12301, 12518..12612, 12697..12884, 13008..13084, 13718..13940, 14565..14730, 14831..15035		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	8760	End	11598
GI	none	Score	69
Exons	8760..8909, 9726..9785, 10102..10158, 10707..10793, 10708..10794, 10924..11061, 10937..11059, 11346..11588, 11349..11597, 11359..11598, 11359..11598		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o5.tm	Method	TBLASTX:Maize
Start	8794	End	10797
GI	none	Score	135
Exons	8794..8898, 8796..8900, 9425..9529, 9442..9531, 9447..9542, 9447..9530, 9685..9867, 9686..9874, 9713..9874, 9714..9875, 9967..9984, 9985..10053, 9990..10055, 9990..10055, 10047..10154, 10102..10161, 10103..10192, 10683..10793, 10684..10797		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	10680	End	11426
GI	none	Score	150
Exons	10680..10793, 10681..10794, 10681..10794, 10863..11060, 10914..11060, 10924..11061, 11355..11426, 11360..11425		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.np	Method	AAT/NAP
Start	10707	End	15181
GI	3287695	Score	1236
Exons	10707..10794, 10937..11058, 11358..11599, 11628..11805, 11951..12061, 12168..12306, 12498..12611, 12693..12884, 13008..13084, 13718..13940, 14565..14730, 14831..15181		
GI Descrip.	(AC003979) Similar to hypothetical protein C34B7.2 gb 1729503 from C. elegans cosmid gb Z83220. [Arabidopsis thaliana]		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	10962	End	13997
GI	none	Score	117

Exons 10962..11060, 10963..11061, 10964..11059, 11346..11675,
11355..11675, 11359..11676, 11359..11676, 11957..12064,
11958..12062, 11959..12063, 11972..12070, 12159..12317,
12166..12318, 12166..12303, 12167..12316, 12512..12613,
12533..12610, 12543..12644, 12692..12886, 12699..12887,
12996..13088, 13004..13096, 13005..13088, 13010..13096,
13708..13995, 13718..13996, 13719..13997

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.tc	Method	TBLASTX:Cress
Start	10963	End	11598
GI	none	Score	179
Exons	10963..11061, 11349..11597, 11353..11598		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o7.gp	Method	AAT/GAP
Start	10978	End	12050
GI	LIB3477-010-P1-K1-G1	Score	934
Exons	10978..11058, 11358..11673, 11951..12050		
GI Descrip.	'3287695 8.0e-37 (AC003979) Similar to hypothetical protein C34B7.2 gb_1729503 from C. elegans cosmid gb_Z83220. [Arabidopsis thaliana]'		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	11473	End	11649
GI	none	Score	187
Exons	11473..11649, 11475..11621		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	12245	End	13895
GI	none	Score	67
Exons	12245..12316, 12246..12317, 12518..12610, 12533..12610, 12698..12886, 12699..12887, 13004..13096, 13008..13088, 13716..13895, 13716..13823, 13718..13894		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	13802	End	15032
GI	none	Score	90
Exons	13802..13942, 13803..13943, 14564..14647, 14564..14656, 14594..14731, 14664..14732, 14829..15032, 14830..14883, 14841..15032		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-

Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	14477	End	14963
GI	none	Score	135
Exons	14477..14731, 14493..14732, 14559..14732, 14829..14963, 14830..14883		

Seq. No.	7527	Seq. ID	OJ990531_32.9A01.C11
Gene No.	15879	Strand	-
Start	8563	End	15181
Name	OJ990531_32.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	14562	End	15036
GI	none	Score	174
Exons	14562..14729, 14564..14731, 14566..14730, 14567..14731, 14820..15035, 14821..14883, 14829..15035, 14830..15036, 14989..15036		

Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15880	Strand	+
Start	871	End	1061
Name	OJ990531_32.9A01.C12.o2.gp	Method	AAT/GAP
Start	871	End	1061
GI	4138298	Score	283
Exons	871..1061		
GI Descrip.	4138299/emb CAA75509 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15881	Strand	+
Start	4360	End	8902
Name	OJ990531_32.9A01.C12.o2.gs	Method	GENSCAN
Start	4360	End	8902
GI	none	Score	.83
Exons	4360..4416, 6636..6679, 6787..6853, 7638..7786, 8761..8902		

Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15882	Strand	+
Start	9269	End	11676
Name	OJ990531_32.9A01.C12.o1.np	Method	AAT/NAP
Start	9269	End	11014
GI	6721555	Score	868
Exons	9269..9324, 9483..9749, 9786..9985, 10391..10668, 10840..11014		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815080 dbj BAA90366.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15882	Strand	+
Start	9269	End	11676
Name	OJ990531_32.9A01.C12.o4.gs	Method	GENSCAN
Start	10397	End	11676
GI	none	Score	.49
Exons	10397..10747, 10753..10906, 11345..11455, 11521..11676		

Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15883	Strand	-
Start	410	End	515

Name	OJ990531_32.9A01.C12.o1.gp	Method	AAT/GAP
Start	410	End	515
GI	2442274	Score	183
Exons	410..515		
Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15884	Strand	-
Start	1556	End	2005
Name	OJ990531_32.9A01.C12.o3.gp	Method	AAT/GAP
Start	1556	End	2005
GI	4879953	Score	806
Exons	1556..2005		
Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15885	Strand	-
Start	9527	End	10014
Name	OJ990531_32.9A01.C12.o3.gs	Method	GENSCAN
Start	9527	End	9967
GI	none	Score	.81
Exons	9527..9967		
Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15885	Strand	-
Start	9527	End	10014
Name	OJ990531_32.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	9734	End	10014
GI	none	Score	117
Exons	9734..9853, 9744..9845, 9752..9880, 9842..9979, 9843..9968, 9857..10003, 9861..9983, 9892..10014		
Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15886	Strand	-
Start	10550	End	10720
Name	OJ990531_32.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	10550	End	10720
GI	none	Score	212
Exons	10550..10720, 10550..10684, 10561..10701		
Seq. No.	7528	Seq. ID	OJ990531_32.9A01.C12
Gene No.	15886	Strand	-
Start	10550	End	10720
Name	OJ990531_32.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	10550	End	10720
GI	none	Score	211
Exons	10550..10720, 10558..10719		
Seq. No.	7529	Seq. ID	OJ990531_32.9A01.C13
Gene No.	15887	Strand	+
Start	73	End	246
Name	OJ990531_32.9A01.C13.o1.gs	Method	GENSCAN
Start	73	End	246
GI	none	Score	.8
Exons	73..246		
Seq. No.	7529	Seq. ID	OJ990531_32.9A01.C13
Gene No.	15888	Strand	-
Start	1564	End	2096

Name	OJ990531_32.9A01.C13.o2.gs	Method	GENSCAN
Start	1564	End	2096
GI	none	Score	.64
Exons	1564..1688, 2015..2096		
Seq. No.	7529	Seq. ID	OJ990531_32.9A01.C13
Gene No.	15889	Strand	-
Start	3645	End	4034
Name	OJ990531_32.9A01.C13.o3.gs	Method	GENSCAN
Start	3645	End	4034
GI	none	Score	.72
Exons	3645..4034		
Seq. No.	7529	Seq. ID	OJ990531_32.9A01.C13
Gene No.	15889	Strand	-
Start	3645	End	4034
Name	OJ990531_32.9A01.C13.o1.tc	Method	TBLASTX:Cress
Start	3704	End	4024
GI	none	Score	175
Exons	3704..4024, 3726..4022		
Seq. No.	7530	Seq. ID	OJ990531_32.9A01.C14
Gene No.	15890	Strand	+
Start	1	End	328
Name	OJ990531_32.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	328
GI	2146775	Score	296
Exons	1..328		
GI Descrip.	serine acetyltransferase (EC 2.3.1.30) SAT1 - Arabidopsis thaliana gi 926939 (L42212) serine acetyltransferase [Arabidopsis thaliana]		
Seq. No.	7530	Seq. ID	OJ990531_32.9A01.C14
Gene No.	15890	Strand	+
Start	1	End	328
Name	OJ990531_32.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	244
GI	none	Score	74
Exons	1..48, 2..49, 29..244, 55..243		
Seq. No.	7530	Seq. ID	OJ990531_32.9A01.C14
Gene No.	15890	Strand	+
Start	1	End	328
Name	OJ990531_32.9A01.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	244
GI	none	Score	270
Exons	2..244, 4..243		
Seq. No.	7530	Seq. ID	OJ990531_32.9A01.C14
Gene No.	15890	Strand	+
Start	1	End	328
Name	OJ990531_32.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	244
GI	none	Score	261
Exons	2..244, 4..243		
Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15

Gene No.	15891	Strand	+
Start	1111	End	2038
Name	OJ990531_32.9A01.C15.o1.gs	Method	GENSCAN
Start	1111	End	2038
GI	none	Score	.61
Exons	1111..1256, 1320..1461, 1943..2038		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15892	Strand	-
Start	6299	End	10858
Name	OJ990531_32.9A01.C15.o2.np	Method	AAT/NAP
Start	6299	End	9163
GI	5777623	Score	46
Exons	6299..6316, 9075..9163		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15892	Strand	-
Start	6299	End	10858
Name	OJ990531_32.9A01.C15.o1.np	Method	AAT/NAP
Start	8156	End	10858
GI	2464864	Score	497
Exons	8156..9423, 10818..10858		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	8179	End	8625
GI	none	Score	120
Exons	8179..8625, 8186..8569		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o2.tm	Method	TBLASTX:Maize
Start	8233	End	8575
GI	none	Score	95
Exons	8233..8574, 8248..8424, 8264..8491, 8537..8575		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	8383	End	9048
GI	none	Score	139
Exons	8383..8757, 8387..8740, 8875..9048		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	8578	End	9362
GI	none	Score	227
Exons	8578..8880, 8872..9138, 8872..9093, 9093..9239, 9094..9204, 9162..9362, 9271..9357		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o1.gp	Method	AAT/GAP
Start	10438	End	10900
GI	LIB3432-059-P1-K1-D8	Score	772
Exons	10438..10900		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	7531	Seq. ID	OJ990531_32.9A01.C15
Gene No.	15893	Strand	-
Start	11251	End	14269
Name	OJ990531_32.9A01.C15.o3.gs	Method	GENSCAN
Start	11251	End	14269
GI	none	Score	.88
Exons	11251..11406, 13171..13310, 13405..14269		

Seq. No.	7532	Seq. ID	OJ990531_32.9A01.C16
Gene No.	15894	Strand	-
Start	18	End	344
Name	OJ990531_32.9A01.C16.o1.gs	Method	GENSCAN
Start	18	End	344
GI	none	Score	.44
Exons	18..344		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.o1.gp	Method	AAT/GAP
Start	1	End	348
GI	LIB3477-010-P1-K1-G1	Score	562
Exons	1..348		
GI Descrip.	'3287695 8.0e-37 (AC003979) Similar to hypothetical protein C34B7.2 gb_1729503 from C. elegans cosmid gb_Z83220. [Arabidopsis thaliana]'		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	346
GI	3287695	Score	225
Exons	1..346		
GI Descrip.	(AC003979) Similar to hypothetical protein C34B7.2 gb 1729503 from C. elegans cosmid gb Z83220. [Arabidopsis thaliana]		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.o1.gs	Method	GENSCAN
Start	62	End	348
GI	none	Score	.57
Exons	62..348		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
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Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.ol.tm	Method	TBLASTX:Maize
Start	69	End	360
GI	none	Score	306
Exons	69..347, 72..347, 79..351, 79..360		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.ol.tw	Method	TBLASTX:Wheat
Start	79	End	235
GI	none	Score	210
Exons	79..231, 79..231, 86..235, 87..233		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.ol.tc	Method	TBLASTX:Cress
Start	108	End	360
GI	none	Score	313
Exons	108..353, 109..357, 280..360		

Seq. No.	7533	Seq. ID	OJ990531_32.9A01.C17
Gene No.	15895	Strand	+
Start	1	End	360
Name	OJ990531_32.9A01.C17.ol.ts	Method	TBLASTX:Soybean
Start	108	End	360
GI	none	Score	196
Exons	108..347, 108..347, 109..357, 118..360		

Seq. No.	7534	Seq. ID	OJ990531_34.9A14.C1
Gene No.	15896	Strand	+
Start	284	End	471
Name	OJ990531_34.9A14.C1.ol.gs	Method	GENSCAN
Start	284	End	471
GI	none	Score	.51
Exons	284..471		

Seq. No.	7534	Seq. ID	OJ990531_34.9A14.C1
Gene No.	15897	Strand	-
Start	1	End	512
Name	OJ990531_34.9A14.C1.ol.np	Method	AAT/NAP
Start	1	End	457
GI	3287695	Score	175
Exons	1..82, 233..457		
GI Descrip.	(AC003979) Similar to hypothetical protein C34B7.2 gb 1729503 from C. elegans cosmid gb 283220. [Arabidopsis thaliana]		

Seq. No.	7534	Seq. ID	OJ990531_34.9A14.C1
Gene No.	15897	Strand	-
Start	1	End	512
Name	OJ990531_34.9A14.C1.ol.tm	Method	TBLASTX:Maize
Start	223	End	512
GI	none	Score	322
Exons	223..510, 233..511, 234..512		

Seq. No.	7534	Seq. ID	OJ990531_34.9A14.C1
Gene No.	15897	Strand	-
Start	1	End	512
Name	OJ990531_34.9A14.C1.o1.ts	Method	TBLASTX:Soybean
Start	231	End	457
GI	none	Score	168
Exons	231..410, 231..338, 233..409, 419..457		

Seq. No.	7535	Seq. ID	OJ990531_34.9A14.C2
Gene No.	15898	Strand	+
Start	622	End	725
Name	OJ990531_34.9A14.C2.o1.gs	Method	GENSCAN
Start	622	End	725
GI	none	Score	.48
Exons	622..725		

Seq. No.	7536	Seq. ID	OJ990531_34.9A14.C3
Gene No.	15899	Strand	+
Start	990	End	2529
Name	OJ990531_34.9A14.C3.o1.gs	Method	GENSCAN
Start	990	End	2219
GI	none	Score	.95
Exons	990..1020, 1367..1404, 1455..1587, 1792..1953, 2062..2219		

Seq. No.	7536	Seq. ID	OJ990531_34.9A14.C3
Gene No.	15899	Strand	+
Start	990	End	2529
Name	OJ990531_34.9A14.C3.o1.np	Method	AAT/NAP
Start	1453	End	2150
GI	1402891	Score	81
Exons	1453..1587, 1792..1963, 2062..2150		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	7536	Seq. ID	OJ990531_34.9A14.C3
Gene No.	15899	Strand	+
Start	990	End	2529
Name	OJ990531_34.9A14.C3.o1.gp	Method	AAT/GAP
Start	1809	End	2529
GI	none	Score	1114
Exons	1809..1953, 2062..2529		

Seq. No.	7536	Seq. ID	OJ990531_34.9A14.C3
Gene No.	15900	Strand	+
Start	5234	End	7116
Name	OJ990531_34.9A14.C3.o2.np	Method	AAT/NAP
Start	4931	End	6788
GI	5042448	Score	159
Exons	4931..5135, 6769..6788		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	7536	Seq. ID	OJ990531_34.9A14.C3
Gene No.	15900	Strand	+
Start	5234	End	7116
Name	OJ990531_34.9A14.C3.o2.gs	Method	GENSCAN
Start	5234	End	7116
GI	none	Score	.93

Exons 5234..5271, 5929..6036, 6648..7116

Seq. No. 7536 Seq. ID OJ990531_34.9A14.C3
Gene No. 15901 Strand +
Start 9981 End 12373
Name OJ990531_34.9A14.C3.o3.np Method AAT/NAP
Start 9981 End 12373
GI 2459433 Score 232
Exons 9981..10178, 11747..11826, 12094..12373
GI Descrip. (AC002332) hypothetical protein [Arabidopsis thaliana]

Seq. No. 7536 Seq. ID OJ990531_34.9A14.C3
Gene No. 15902 Strand +
Start 14694 End 17706
Name OJ990531_34.9A14.C3.o4.gs Method GENSCAN
Start 14694 End 17706
GI none Score .51
Exons 14694..14760, 15488..15632, 17490..17706

Seq. No. 7536 Seq. ID OJ990531_34.9A14.C3
Gene No. 15903 Strand -
Start 8906 End 13845
Name OJ990531_34.9A14.C3.o3.gs Method GENSCAN
Start 8906 End 13845
GI none Score .43
Exons 8906..8929, 9307..9421, 9781..10147, 10152..10304, 10779..10923,
11785..11991, 11999..12468, 13791..13845

Seq. No. 7536 Seq. ID OJ990531_34.9A14.C3
Gene No. 15904 Strand -
Start 18828 End 18997
Name OJ990531_34.9A14.C3.o1.tm Method TBLASTX:Maize
Start 1452 End 2295
GI none Score 53
Exons 1452..1541, 1455..1541, 1530..1586, 1555..1587, 1786..1938,
1790..1984, 1791..1955, 2060..2116, 2061..2117, 2126..2230,
2132..2224, 2269..2295, 2272..2295

Seq. No. 7536 Seq. ID OJ990531_34.9A14.C3
Gene No. 15904 Strand -
Start 18828 End 18997
Name OJ990531_34.9A14.C3.o5.gs Method GENSCAN
Start 18828 End 18997
GI none Score .58
Exons 18828..18997

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
Gene No. 15905 Strand +
Start 919 End 1506
Name OJ990531_34.9A14.C4.o1.gs Method GENSCAN
Start 919 End 1506
GI none Score .96
Exons 919..1220, 1225..1506

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
Gene No. 15906 Strand +
Start 14251 End 14671

Name OJ990531_34.9A14.C4.o3.gs
 Start 14251
 GI none
 Exons 14251..14446, 14451..14671

Method GENSCAN
 End 14671
 Score .71

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15907 Strand +
 Start 17563 End 18143
 Name OJ990531_34.9A14.C4.o5.gs Method GENSCAN
 Start 17563 End 18143
 GI none Score .69
 Exons 17563..17604, 17930..18055, 18111..18143

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15908 Strand +
 Start 22818 End 23768
 Name OJ990531_34.9A14.C4.o6.gs Method GENSCAN
 Start 22818 End 23768
 GI none Score .62
 Exons 22818..23034, 23499..23650, 23739..23768

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15909 Strand +
 Start 26330 End 26734
 Name OJ990531_34.9A14.C4.o1.np Method AAT/NAP
 Start 26330 End 26734
 GI 2462640 Score 515
 Exons 26330..26734
 GI Descrip. (Y13370) reverse transcriptase [Oryza sativa]

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15910 Strand -
 Start 15710 End 17180
 Name OJ990531_34.9A14.C4.o4.gs Method GENSCAN
 Start 15710 End 17180
 GI none Score .67
 Exons 15710..15949, 16968..17180

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15911 Strand -
 Start 23991 End 24458
 Name OJ990531_34.9A14.C4.o7.gs Method GENSCAN
 Start 23991 End 24458
 GI none Score 1
 Exons 23991..24458

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15912 Strand -
 Start 30182 End 31369
 Name OJ990531_34.9A14.C4.o2.tw Method TBLASTX:Wheat
 Start 15164 End 15306
 GI none Score 189
 Exons 15164..15277, 15165..15275, 15169..15276, 15169..15306

Seq. No. 7537 Seq. ID OJ990531_34.9A14.C4
 Gene No. 15912 Strand -
 Start 30182 End 31369

Name	OJ990531_34.9A14.C4.o4.tm	Method	TBLASTX:Maize
Start	15164	End	15306
GI	none	Score	194
Exons	15164..15277, 15165..15275, 15169..15276, 15169..15306		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	26366	End	27284
GI	none	Score	268
Exons	26366..26788, 26704..26787, 26837..26962, 26963..27145, 27165..27284		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o2.tm	Method	TBLASTX:Maize
Start	27285	End	27668
GI	none	Score	202
Exons	27285..27488, 27356..27478, 27495..27548, 27552..27668, 27557..27634		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o1.tw	Method	TBLASTX:Wheat
Start	27320	End	27611
GI	none	Score	332
Exons	27320..27610, 27327..27611		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o3.tm	Method	TBLASTX:Maize
Start	27855	End	28233
GI	none	Score	71
Exons	27855..27977, 27952..28233		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o10.gs	Method	GENSCAN
Start	30182	End	30887
GI	none	Score	.78
Exons	30182..30255, 30723..30887		

Seq. No.	7537	Seq. ID	OJ990531_34.9A14.C4
Gene No.	15912	Strand	-
Start	30182	End	31369
Name	OJ990531_34.9A14.C4.o4.np	Method	AAT/NAP
Start	30766	End	31369
GI	6498436	Score	274
Exons	30766..30889, 31096..31369		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	7538	Seq. ID	OJ990531_34.9A14.C5
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Gene No.	15913	Strand	+
Start	96	End	627
Name	OJ990531_34.9A14.C5.o1.gs	Method	GENSCAN
Start	96	End	627
GI	none	Score	.67
Exons	96..151, 182..324, 429..627		

Seq. No.	7539	Seq. ID	OJ990531_34.9A14.C6
Gene No.	15914	Strand	+
Start	852	End	5276
Name	OJ990531_34.9A14.C6.o1.np	Method	AAT/NAP
Start	852	End	5276
GI	6815052	Score	380
Exons	852..909, 4556..4720, 4802..4874, 5155..5276		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7539	Seq. ID	OJ990531_34.9A14.C6
Gene No.	15914	Strand	+
Start	852	End	5276
Name	OJ990531_34.9A14.C6.o1.gp	Method	AAT/GAP
Start	3474	End	3977
GI	uC-osflM202069b02a1	Score	793
Exons	3474..3630, 3725..3977		
GI Descrip.	'4895179/gb AAD32766.1 AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7539	Seq. ID	OJ990531_34.9A14.C6
Gene No.	15915	Strand	-
Start	5106	End	5501
Name	OJ990531_34.9A14.C6.o1.ts	Method	TBLASTX:Soybean
Start	462	End	3837
GI	none	Score	129
Exons	462..584, 3501..3632, 3502..3633, 3508..3639, 3722..3811, 3724..3837		

Seq. No.	7539	Seq. ID	OJ990531_34.9A14.C6
Gene No.	15915	Strand	-
Start	5106	End	5501
Name	OJ990531_34.9A14.C6.o1.tc	Method	TBLASTX:Cress
Start	3562	End	3822
GI	none	Score	120
Exons	3562..3630, 3565..3633, 3575..3634, 3718..3822, 3722..3808		

Seq. No.	7539	Seq. ID	OJ990531_34.9A14.C6
Gene No.	15915	Strand	-
Start	5106	End	5501
Name	OJ990531_34.9A14.C6.o2.gs	Method	GENSCAN
Start	5106	End	5501
GI	none	Score	.88
Exons	5106..5233, 5294..5501		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15916	Strand	+
Start	6230	End	14721
Name	OJ990531_34.9A14.C7.o3.gs	Method	GENSCAN
Start	6230	End	14513
GI	none	Score	.68

Exons 6230..6286, 9458..9632, 10052..10169, 10629..10752,
11452..11524, 11634..11711, 11874..11935, 12334..12362,
12448..12655, 12728..12958, 13391..13444, 13790..13981,
14026..14164, 14311..14513

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15916	Strand	+
Start	6230	End	14721
Name	OJ990531_34.9A14.C7.o1.np	Method	AAT/NAP
Start	10266	End	14721
GI	2459431	Score	351
Exons	10266..10369, 11445..11524, 11634..11708, 11874..11935, 12728..13017, 13787..14721		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15916	Strand	+
Start	6230	End	14721
Name	OJ990531_34.9A14.C7.o2.gp	Method	AAT/GAP
Start	10311	End	10602
GI	3761679	Score	285
Exons	10311..10428, 10520..10602		
GI Descrip.	5042437/gb AC007789.1 AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15917	Strand	-
Start	25	End	708
Name	OJ990531_34.9A14.C7.o1.gs	Method	GENSCAN
Start	25	End	708
GI	none	Score	.91
Exons	25..708		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15918	Strand	
Start	11873	End	13444
Name	OJ990531_34.9A14.C7.o1.ts	Method	TBLASTX:Soybean
Start	11873	End	12982
GI	none	Score	65
Exons	11873..11944, 12061..12129, 12069..12155, 12301..12363, 12318..12365, 12445..12654, 12446..12658, 12722..12886, 12725..12859, 12831..12956, 12833..12982		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15918	Strand	
Start	11873	End	13444
Name	OJ990531_34.9A14.C7.o1.tm	Method	TBLASTX:Maize
Start	12330	End	12907
GI	none	Score	45
Exons	12330..12365, 12331..12363, 12446..12658, 12448..12651, 12725..12838, 12727..12807, 12878..12907		

Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15918	Strand	
Start	11873	End	13444
Name	OJ990531_34.9A14.C7.o1.tc	Method	TBLASTX:Cress
Start	12506	End	12931

GI	none	Score	161
Exons	12506..12658, 12511..12636, 12725..12853, 12881..12931		
Seq. No.	7540	Seq. ID	OJ990531_34.9A14.C7
Gene No.	15918	Strand	
Start	11873	End	13444
Name	OJ990531_34.9A14.C7.o1.tw	Method	TBLASTX:Wheat
Start	12716	End	13444
GI	none	Score	205
Exons	12716..12886, 12721..12807, 12722..12886, 12830..12961, 12830..12979, 13394..13444		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15919	Strand	+
Start	319	End	3372
Name	OJ990531_34.9A14.C8.o1.gp	Method	AAT/GAP
Start	319	End	593
GI	5005533	Score	529
Exons	319..593		
GI Descrip.	642357/emb X83834 TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15919	Strand	+
Start	319	End	3372
Name	OJ990531_34.9A14.C8.o1.gs	Method	GENSCAN
Start	319	End	3125
GI	none	Score	.73
Exons	319..370, 2667..2869, 3033..3125		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15919	Strand	+
Start	319	End	3372
Name	OJ990531_34.9A14.C8.o2.gp	Method	AAT/GAP
Start	2750	End	3372
GI	uC-osflcyp155h09b1	Score	288
Exons	2750..2908, 3333..3372		
GI Descrip.	'642357/emb X83834 TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)'		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15920	Strand	+
Start	5439	End	5855
Name	OJ990531_34.9A14.C8.o3.gp	Method	AAT/GAP
Start	5439	End	5855
GI	uC-osflcyp155h09b1	Score	724
Exons	5439..5855		
GI Descrip.	'642357/emb X83834 TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)'		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o1.np	Method	AAT/NAP
Start	3619	End	5828
GI	5734745	Score	1139
Exons	3619..5828		

GI Descrip. (AC007651) Similar to disease resistance proteins [Arabidopsis thaliana]

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o2.gs	Method	GENSCAN
Start	3628	End	14325
GI	none	Score	.69
Exons	3628..4458, 4755..5853, 7695..7811, 7987..8165, 8804..9008, 9205..9329, 9415..9561, 11531..11617, 11736..11912, 14191..14325		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o5.tm	Method	TBLASTX:Maize
Start	3670	End	4338
GI	none	Score	58
Exons	3670..3717, 3673..3756, 3722..3928, 3728..3916, 3739..3927, 4213..4338, 4237..4338		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o1.ts	Method	TBLASTX:Soybean
Start	3803	End	5249
GI	none	Score	78
Exons	3803..3922, 3805..3924, 3850..4110, 3850..4107, 3853..4107, 3922..4107, 4189..4335, 4189..4335, 4207..4338, 4213..4437, 4243..4338, 4533..4751, 4551..4730, 4560..4739, 4761..4958, 4896..5153, 4974..5156, 4974..5153, 5184..5249, 5184..5249		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o1.tw	Method	TBLASTX:Wheat
Start	3847	End	6776
GI	none	Score	59
Exons	3847..4008, 3850..3987, 4243..4338, 4262..4435, 4554..4745, 4560..4694, 4749..5105, 4749..5126, 4750..5127, 4963..5178, 4965..5165, 6702..6776		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o1.tc	Method	TBLASTX:Cress
Start	3853	End	5315
GI	none	Score	79
Exons	3853..3912, 3853..4107, 3853..4092, 3853..4107, 3853..4008, 3853..4008, 3895..4107, 3907..4107, 3908..4114, 3976..4107, 4057..4107, 4127..4174, 4135..4455, 4186..4338, 4210..4335, 4213..4443, 4213..4341, 4216..4338, 4231..4440, 4231..4338, 4231..4440, 4262..4402, 4551..4730, 4551..4970, 4551..4751, 4551..4814, 4551..4739, 4560..4733, 4560..4730, 4593..4745, 4674..4739, 4755..4958, 4755..4973, 4758..4967, 4761..4958, 4761..5165, 4761..4955, 4761..4961, 4761..4967, 4881..4949, 4902..5153, 4962..5153, 4974..5090, 4974..5123, 4974..5138,		

4974..5153, 5106..5246, 5262..5315

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o2.tm	Method	TBLASTX:Maize
Start	3928	End	6767
GI	none	Score	148
Exons	3928..4098, 3946..4113, 4566..4931, 4573..4848, 4740..4925, 4779..4958, 5004..5243, 5046..5153, 5184..5312, 6690..6767		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o4.gp	Method	AAT/GAP
Start	7441	End	8098
GI	2574_1.R1084	Score	813
Exons	7441..7811, 7918..8098		
GI Descrip.	'310732/gb L08786 SYNBLSKMV 2.0e-13 BlueScribe SK Minus cloning vector'		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o1.tm	Method	TBLASTX:Maize
Start	7640	End	8082
GI	none	Score	183
Exons	7640..7810, 7644..7811, 7644..7811, 7645..7812, 7905..8000, 7918..8004, 7992..8081, 7992..8078, 7993..8082		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o2.tw	Method	TBLASTX:Wheat
Start	7916	End	8170
GI	none	Score	91
Exons	7916..7984, 7917..8018, 7918..8019, 8007..8168, 8042..8170, 8095..8166		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o6.tm	Method	TBLASTX:Maize
Start	8084	End	8977
GI	none	Score	55
Exons	8084..8122, 8085..8126, 8124..8168, 8124..8168, 8816..8977, 8826..8975		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o5.gp	Method	AAT/GAP
Start	8811	End	8981
GI	LIB3434-056-P1-K1-E3	Score	299
Exons	8811..8981		
GI Descrip.	'1621495/dbj BAA12903 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o3.tm	Method	TBLASTX:Maize
Start	9190	End	10170
GI	none	Score	147
Exons	9190..9327, 9198..9329, 9203..9331, 9204..9332, 9412..9528, 9415..9540, 9416..9535, 9531..9563, 9532..9579, 9532..9567, 9949..10164, 9957..10169, 9960..10163, 10000..10170		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o6.gp	Method	AAT/GAP
Start	10369	End	11631
GI	53621_1.R1084	Score	997
Exons	10369..10615, 10701..10878, 11531..11631		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o4.tm	Method	TBLASTX:Maize
Start	10391	End	10869
GI	none	Score	70
Exons	10391..10453, 10393..10458, 10393..10458, 10462..10614, 10462..10614, 10721..10783, 10732..10785, 10778..10831, 10779..10829, 10822..10869, 10831..10869		

Seq. No.	7541	Seq. ID	OJ990531_34.9A14.C8
Gene No.	15921	Strand	-
Start	3628	End	14325
Name	OJ990531_34.9A14.C8.o7.tm	Method	TBLASTX:Maize
Start	12303	End	12617
GI	none	Score	205
Exons	12303..12617		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15922	Strand	+
Start	4356	End	4789
Name	OJ990531_34.9A14.C9.o1.gs	Method	GENSCAN
Start	4356	End	4789
GI	none	Score	.98
Exons	4356..4789		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15923	Strand	+
Start	5293	End	8201
Name	OJ990531_34.9A14.C9.o1.np	Method	AAT/NAP
Start	5293	End	8201
GI	2144418	Score	122
Exons	5293..5314, 6609..6914, 8181..8201		
GI Descrip.	protein kinase (EC 2.7.1.37) PH085 - yeast (Saccharomyces cerevisiae)		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15923	Strand	+
Start	5293	End	8201
Name	OJ990531_34.9A14.C9.o2.gs	Method	GENSCAN
Start	6306	End	7718
GI	none	Score	.88
Exons	6306..6426, 6606..6747, 6862..7030, 7581..7718		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15924	Strand	+
Start	14076	End	15378
Name	OJ990531_34.9A14.C9.o4.gs	Method	GENSCAN
Start	14076	End	15378
GI	none	Score	.63
Exons	14076..14191, 14196..14352, 14393..14518, 15070..15378		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15924	Strand	+
Start	14076	End	15378
Name	OJ990531_34.9A14.C9.o3.np	Method	AAT/NAP
Start	14099	End	14507
GI	6017119	Score	109
Exons	14099..14507		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o2.tw	Method	TBLASTX:Wheat
Start	6431	End	6741
GI	none	Score	80
Exons	6431..6514, 6435..6515, 6610..6741, 6617..6739		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o2.tm	Method	TBLASTX:Maize
Start	7361	End	7709
GI	none	Score	116
Exons	7361..7501, 7378..7500, 7580..7696, 7581..7709		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	8823	End	15465
GI	none	Score	150
Exons	8823..9014, 8823..9014, 8830..9024, 8830..9030, 8831..9037, 8840..9031, 9096..9302, 9098..9304, 9107..9301, 9109..9324, 9389..9502, 9391..9510, 9391..9507, 9651..9734, 9652..9732, 9653..9742, 9657..9755, 10154..10246, 10176..10271, 10176..10274, 10177..10272, 10379..10426, 10379..10543, 10424..10636, 10428..10487, 10521..10628, 10550..10636, 10716..10775, 10717..10773, 10864..10929, 10868..10927, 10872..10931, 10995..11054, 10997..11071, 10998..11072, 11154..11219, 15418..15465		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o1.tw	Method	TBLASTX:Wheat
Start	8834	End	9510
GI	none	Score	217
Exons	8834..9016, 8839..9030, 8840..9031, 9096..9302, 9107..9304, 9107..9301, 9120..9302, 9391..9510, 9391..9504		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	8837	End	11072
GI	none	Score	186
Exons	8837..9016, 8839..9030, 8840..9031, 9107..9301, 9111..9302, 9382..9510, 9391..9507, 9636..9755, 9653..9742, 10176..10265, 10176..10274, 10177..10272, 10379..10426, 10475..10636, 10566..10634, 10728..10775, 10735..10773, 10864..10929, 10868..10927, 10870..10929, 10979..11068, 10997..11071, 10998..11072		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	8839	End	11036
GI	none	Score	179
Exons	8839..9030, 8840..9031, 8841..9032, 8841..9032, 9107..9301, 9111..9302, 9120..9302, 9391..9507, 9398..9502, 9653..9742, 9654..9743, 9657..9755, 10176..10274, 10177..10272, 10379..10540, 10566..10628, 10725..10775, 10726..10773, 10864..10926, 10868..10927, 10995..11036, 10997..11035		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o3.gs	Method	GENSCAN
Start	8839	End	13899
GI	none	Score	.58
Exons	8839..9030, 9107..9301, 9391..9501, 9653..9743, 10177..10271, 10382..10633, 10728..10772, 10873..10928, 10996..11070, 11478..11538, 12188..12283, 13150..13899		

Seq. No.	7542	Seq. ID	OJ990531_34.9A14.C9
Gene No.	15925	Strand	-
Start	8839	End	15465
Name	OJ990531_34.9A14.C9.o2.np	Method	AAT/NAP
Start	8842	End	11070
GI	4455214	Score	1005
Exons	8842..9030, 9107..9301, 9391..9501, 9653..9743, 10177..10271, 10382..10633, 10671..10772, 10873..10928, 10996..11070		
GI Descrip.	(AL035440) putative dihydrolipoamide succinyltransferase [Arabidopsis thaliana]		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15926	Strand	+

Start	1344	End	1514
Name	OJ990531_34.9A14.C10.o1.gs	Method	GENSCAN
Start	1344	End	1514
GI	none	Score	.56
Exons	1344..1402, 1487..1514		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15927	Strand	+
Start	10108	End	20530
Name	OJ990531_34.9A14.C10.o3.gs	Method	GENSCAN
Start	10108	End	20112
GI	none	Score	.43
Exons	10108..10147, 10936..11015, 13175..13238, 13510..13632, 14717..14920, 15095..15178, 15899..16072, 16433..16569, 19090..19200, 19266..19690, 19692..20112		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15927	Strand	+
Start	10108	End	20530
Name	OJ990531_34.9A14.C10.o2.np	Method	AAT/NAP
Start	14666	End	18176
GI	4582447	Score	331
Exons	14666..14715, 17011..18176		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15927	Strand	+
Start	10108	End	20530
Name	OJ990531_34.9A14.C10.o3.np	Method	AAT/NAP
Start	18935	End	20530
GI	6907087	Score	583
Exons	18935..19309, 19355..19879, 20429..20530		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15928	Strand	-
Start	3306	End	9299
Name	OJ990531_34.9A14.C10.o2.gs	Method	GENSCAN
Start	3306	End	9299
GI	none	Score	.47
Exons	3306..3426, 4686..4865, 4956..5152, 5262..5357, 5459..5659, 5774..5854, 6021..6080, 7632..7840, 7927..8038, 8338..8511, 8877..9086, 9183..9299		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15928	Strand	-
Start	3306	End	9299
Name	OJ990531_34.9A14.C10.o1.gp	Method	AAT/GAP
Start	4452	End	5551
GI	16263_1.R1084	Score	1355
Exons	4452..4865, 4956..5152, 5262..5357, 5459..5551		
GI Descrip.	'2132388/pir S62011 3.0e-22 PH085 protein - yeast (Saccharomyces cerevisiae) >gi_1163103 (U43503) Lph16p [Saccharomyces cerevisiae]'		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15928	Strand	-
Start	3306	End	9299
Name	OJ990531_34.9A14.C10.o1.np	Method	AAT/NAP
Start	4637	End	8089
GI	6513927	Score	852
Exons	4637..4710, 4738..4865, 4956..5152, 5262..5357, 5459..5659, 5774..5854, 6021..6080, 7632..7778, 7994..8089		
GI Descrip.	(AC011664) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15929	Strand	-
Start	10214	End	10347
Name	OJ990531_34.9A14.C10.o2.gp	Method	AAT/GAP
Start	10214	End	10347
GI	LIB3474-009-P1-K1-F11	Score	228
Exons	10214..10347		
GI Descrip.	'4455244/emb CAB36743.1 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	4631	End	8047
GI	none	Score	97
Exons	4631..4729, 4638..4730, 4728..4874, 4736..4867, 4746..4880, 4789..4875, 4946..5152, 4947..5117, 4952..5158, 5229..5360, 5260..5358, 5261..5362, 5262..5360, 5456..5662, 5456..5656, 5752..5853, 5771..5854, 5772..5855, 6016..6081, 6021..6083, 6021..6086, 7623..7760, 7632..7775, 7660..7776, 7937..8047, 7944..8030		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o1.ts	Method	TBLASTX:Soybean
Start	4632	End	5152
GI	none	Score	44
Exons	4632..4700, 4640..4723, 4766..4867, 4773..4871, 4954..5148, 4956..5126, 4958..5152, 4964..5146		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o1.tc	Method	TBLASTX:Cress
Start	4640	End	5152
GI	none	Score	46
Exons	4640..4699, 4641..4727, 4751..4867, 4752..4868, 4825..4884, 4956..5066, 4958..5152, 4959..5126		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o2.tc	Method	TBLASTX:Cress
Start	5212	End	5836

GI	none	Score	78
Exons	5212..5331, 5229..5339, 5456..5656, 5474..5647, 5541..5657, 5771..5836		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o2.ts	Method	TBLASTX:Soybean
Start	5474	End	7776
GI	none	Score	118
Exons	5474..5632, 5474..5647, 5538..5633, 6009..6086, 6025..6081, 7599..7760, 7617..7775, 7660..7776		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o1.tw	Method	TBLASTX:Wheat
Start	17576	End	17908
GI	none	Score	213
Exons	17576..17908, 17665..17838		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o2.tm	Method	TBLASTX:Maize
Start	17582	End	18272
GI	none	Score	271
Exons	17582..17902, 17620..17901, 17660..17902, 17904..18068, 17912..17995, 18114..18272		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o2.tw	Method	TBLASTX:Wheat
Start	17918	End	18257
GI	none	Score	126
Exons	17918..18046, 17919..18047, 18114..18188, 18198..18257		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o4.np	Method	AAT/NAP
Start	20919	End	21387
GI	4680186	Score	160
Exons	20919..21108, 21361..21387		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	7543	Seq. ID	OJ990531_34.9A14.C10
Gene No.	15930	Strand	-
Start	21062	End	21387
Name	OJ990531_34.9A14.C10.o4.gs	Method	GENSCAN
Start	21062	End	21220
GI	none	Score	.86
Exons	21062..21220		

Seq. No.	7544	Seq. ID	OJ990531_34.9A14.C11
Gene No.	15931	Strand	

Start	683	End	1216
Name	OJ990531_34.9A14.C11.o1.tw	Method	TBLASTX:Wheat
Start	683	End	1216
GI	none	Score	171
Exons	683..907, 882..1040, 1124..1216		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o1.gs	Method	GENSCAN
Start	165	End	3770
GI	none	Score	.64
Exons	165..347, 1331..1531, 2850..3770		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o1.np	Method	AAT/NAP
Start	2892	End	7547
GI	6705984	Score	4926
Exons	2892..3734, 5180..7547		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o4.tm	Method	TBLASTX:Maize
Start	3327	End	3572
GI	none	Score	243
Exons	3327..3572, 3338..3559		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o2.tw	Method	TBLASTX:Wheat
Start	3333	End	5366
GI	none	Score	195
Exons	3333..3539, 3350..3514, 3375..3521, 3530..3727, 3540..3728, 3545..3709, 3549..3728, 5152..5352, 5177..5353, 5190..5366		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o3.ts	Method	TBLASTX:Soybean
Start	3354	End	3734
GI	none	Score	142
Exons	3354..3521, 3554..3673, 3555..3734		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o2.gs	Method	GENSCAN
Start	4744	End	7269
GI	none	Score	.43
Exons	4744..4816, 5277..6370, 6478..6661, 6701..7269		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
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Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o1.tw	Method	TBLASTX:Wheat
Start	5732	End	6226
GI	none	Score	350
Exons	5732..6013, 5740..6000, 5761..6015, 6006..6191, 6014..6184, 6020..6226		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o2.ts	Method	TBLASTX:Soybean
Start	5783	End	6244
GI	none	Score	203
Exons	5783..6052, 5815..6048, 6044..6244, 6133..6180		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o3.tm	Method	TBLASTX:Maize
Start	5969	End	6232
GI	none	Score	285
Exons	5969..6232, 5974..6081, 5978..6184		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o5.tm	Method	TBLASTX:Maize
Start	6426	End	6591
GI	none	Score	222
Exons	6426..6590, 6439..6591		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o3.tw	Method	TBLASTX:Wheat
Start	6547	End	7020
GI	none	Score	75
Exons	6547..6702, 6705..6992, 6706..7020		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o2.tm	Method	TBLASTX:Maize
Start	6709	End	7074
GI	none	Score	306
Exons	6709..7074, 6711..7031		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
Gene No.	15932	Strand	+
Start	165	End	7547
Name	OJ990531_34.9A14.C12.o1.ts	Method	TBLASTX:Soybean
Start	6997	End	7355
GI	none	Score	298
Exons	6997..7347, 7002..7085, 7116..7355		

Seq. No.	7545	Seq. ID	OJ990531_34.9A14.C12
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Gene No. 15932
 Start 165
 Name OJ990531_34.9A14.C12.o4.tw
 Start 7069
 GI none
 Exons 7069..7470, 7116..7370

Strand +
 End 7547
 Method TBLASTX:Wheat
 End 7470
 Score 269

Seq. No. 7545
 Gene No. 15932
 Start 165
 Name OJ990531_34.9A14.C12.o1.tm
 Start 7117
 GI none
 Exons 7117..7539, 7158..7538

Seq. ID OJ990531_34.9A14.C12
 Strand +
 End 7547
 Method TBLASTX:Maize
 End 7539
 Score 326

Seq. No. 7545
 Gene No. 15932
 Start 165
 Name OJ990531_34.9A14.C12.o4.ts
 Start 7381
 GI none
 Exons 7381..7545, 7407..7547

Seq. ID OJ990531_34.9A14.C12
 Strand +
 End 7547
 Method TBLASTX:Soybean
 End 7547
 Score 200

Seq. No. 7546
 Gene No. 15933
 Start 1
 Name OJ990531_34.9A14.C13.o1.np
 Start 1
 GI 6705984
 Exons 1..713
 GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. ID OJ990531_34.9A14.C13
 Strand +
 End 713
 Method AAT/NAP
 End 713
 Score 696

Seq. No. 7546
 Gene No. 15933
 Start 1
 Name OJ990531_34.9A14.C13.o1.tw
 Start 126
 GI none
 Exons 126..491, 128..505, 394..495

Seq. ID OJ990531_34.9A14.C13
 Strand +
 End 713
 Method TBLASTX:Wheat
 End 505
 Score 442

Seq. No. 7546
 Gene No. 15933
 Start 1
 Name OJ990531_34.9A14.C13.o1.tm
 Start 291
 GI none
 Exons 291..491, 293..490

Seq. ID OJ990531_34.9A14.C13
 Strand +
 End 713
 Method TBLASTX:Maize
 End 491
 Score 212

Seq. No. 7546
 Gene No. 15933
 Start 1
 Name OJ990531_34.9A14.C13.o1.gs
 Start 334
 GI none
 Exons 334..528

Seq. ID OJ990531_34.9A14.C13
 Strand +
 End 713
 Method GENSCAN
 End 528
 Score .74

Seq. No. 7547

Seq. ID OJ990531_34.9A14.C15

Gene No.	15934	Strand	+
Start	1	End	536
Name	OJ990531_34.9A14.C15.ol.np	Method	AAT/NAP
Start	1	End	536
GI	2498930	Score	46
Exons	1..50, 472..536		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	7547	Seq. ID	OJ990531_34.9A14.C15
Gene No.	15935	Strand	+
Start	477	End	536
Name	OJ990531_34.9A14.C15.ol.gs	Method	GENSCAN
Start	477	End	536
GI	none	Score	.94
Exons	477..536		

Seq. No.	7548	Seq. ID	OJ990501_26.9A01.C2
Gene No.	15936	Strand	+
Start	494	End	1121
Name	OJ990501_26.9A01.C2.ol.gs	Method	GENSCAN
Start	494	End	1115
GI	none	Score	1
Exons	494..553, 721..1115		

Seq. No.	7548	Seq. ID	OJ990501_26.9A01.C2
Gene No.	15936	Strand	+
Start	494	End	1121
Name	OJ990501_26.9A01.C2.ol.np	Method	AAT/NAP
Start	494	End	1121
GI	2498930	Score	742
Exons	494..553, 721..1121		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	7549	Seq. ID	OJ990501_26.9A01.C3
Gene No.	15937	Strand	+
Start	1	End	675
Name	OJ990501_26.9A01.C3.ol.np	Method	AAT/NAP
Start	1	End	672
GI	4680179	Score	1013
Exons	1..672		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7549	Seq. ID	OJ990501_26.9A01.C3
Gene No.	15937	Strand	+
Start	1	End	675
Name	OJ990501_26.9A01.C3.ol.gs	Method	GENSCAN
Start	22	End	675
GI	none	Score	.98
Exons	22..675		

Seq. No.	7549	Seq. ID	OJ990501_26.9A01.C3
Gene No.	15938	Strand	-
Start	1078	End	1953
Name	OJ990501_26.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	1	End	201

GI none
Exons 1..201, 6..197

Score 217

Seq. No. 7549
Gene No. 15938
Start 1078
Name OJ990501_26.9A01.C3.o1.tm
Start 6
GI none
Exons 6..308, 7..432

Seq. ID OJ990501_26.9A01.C3
Strand -
End 1953
Method TBLASTX:Maize
End 432
Score 489

Seq. No. 7549
Gene No. 15938
Start 1078
Name OJ990501_26.9A01.C3.o1.tw
Start 205
GI none
Exons 205..627, 225..368, 387..434

Seq. ID OJ990501_26.9A01.C3
Strand -
End 1953
Method TBLASTX:Wheat
End 627
Score 431

Seq. No. 7549
Gene No. 15938
Start 1078
Name OJ990501_26.9A01.C3.o2.gs
Start 1078
GI none
Exons 1078..1691, 1755..1861

Seq. ID OJ990501_26.9A01.C3
Strand -
End 1953
Method GENSCAN
End 1861
Score .75

Seq. No. 7549
Gene No. 15938
Start 1078
Name OJ990501_26.9A01.C3.o2.np
Start 1442
GI 5852180
Exons 1442..1795, 1841..1953
GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. ID OJ990501_26.9A01.C3
Strand -
End 1953
Method AAT/NAP
End 1953
Score 273

Seq. No. 7550
Gene No. 15939
Start 230
Name OJ990501_26.9A01.C4.o1.np
Start 230
GI 5852175
Exons 230..323
GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. ID OJ990501_26.9A01.C4
Strand +
End 323
Method AAT/NAP
End 323
Score 81

Seq. No. 7550
Gene No. 15940
Start 1736
Name OJ990501_26.9A01.C4.o1.gs
Start 1736
GI none
Exons 1736..1898, 2091..2217, 2241..2628

Seq. ID OJ990501_26.9A01.C4
Strand +
End 2628
Method GENSCAN
End 2628
Score .73

Seq. No. 7550
Gene No. 15941
Start 7139
Name OJ990501_26.9A01.C4.o3.gs

Seq. ID OJ990501_26.9A01.C4
Strand +
End 8111
Method GENSCAN

Start 7139
 GI none
 Exons 7139..7606, 7635..8111

End 8111
 Score .97

Seq. No. 7550
 Gene No. 15942
 Start 9343
 Name OJ990501_26.9A01.C4.o4.gs
 Start 9343
 GI none
 Exons 9343..9439, 10242..10263, 10641..10735, 10898..11084, 11518..11738, 11966..12024

Seq. ID OJ990501_26.9A01.C4
 Strand +
 End 12024
 Method GENSCAN
 End 12024
 Score .7

Seq. No. 7550
 Gene No. 15943
 Start 12986
 Name OJ990501_26.9A01.C4.o5.gs
 Start 12986
 GI none
 Exons 12986..13339

Seq. ID OJ990501_26.9A01.C4
 Strand +
 End 13339
 Method GENSCAN
 End 13339
 Score .99

Seq. No. 7550
 Gene No. 15944
 Start 365
 Name OJ990501_26.9A01.C4.o1.gp
 Start 365
 GI 61605_1.R1084
 Exons 365..638

Seq. ID OJ990501_26.9A01.C4
 Strand -
 End 638
 Method AAT/GAP
 End 638
 Score 447

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 7550
 Gene No. 15944
 Start 365
 Name OJ990501_26.9A01.C4.o2.gp
 Start 365
 GI 61605_1.R1084
 Exons 365..637

Seq. ID OJ990501_26.9A01.C4
 Strand -
 End 638
 Method AAT/GAP
 End 637
 Score 447

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 7550
 Gene No. 15945
 Start 1627
 Name OJ990501_26.9A01.C4.o3.gp
 Start 1627
 GI 101153_1.R1084
 Exons 1627..1852, 2334..2360

Seq. ID OJ990501_26.9A01.C4
 Strand -
 End 2360
 Method AAT/GAP
 End 2360
 Score 384

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 7550
 Gene No. 15945
 Start 1627
 Name OJ990501_26.9A01.C4.o4.gp
 Start 1771
 GI 61605_1.R1084

Seq. ID OJ990501_26.9A01.C4
 Strand -
 End 2360
 Method AAT/GAP
 End 1852
 Score 114

Exons 1771..1852
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15946	Strand	-
Start	4373	End	6482
Name	OJ990501_26.9A01.C4.o2.gs	Method	GENSCAN
Start	4373	End	5206
GI	none	Score	.88
Exons	4373..5206		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15946	Strand	-
Start	4373	End	6482
Name	OJ990501_26.9A01.C4.o2.np	Method	AAT/NAP
Start	4380	End	6482
GI	4680203	Score	845
Exons	4380..5206, 6405..6482		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15946	Strand	-
Start	4373	End	6482
Name	OJ990501_26.9A01.C4.o5.gp	Method	AAT/GAP
Start	5068	End	5654
GI	2310235	Score	304
Exons	5068..5206, 5617..5654		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15947	Strand	-
Start	9485	End	12985
Name	OJ990501_26.9A01.C4.o3.np	Method	AAT/NAP
Start	9485	End	12985
GI	5295951	Score	145
Exons	9485..9506, 12763..12985		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15948	Strand	-
Start	14831	End	15061
Name	OJ990501_26.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	4442	End	4732
GI	none	Score	103
Exons	4442..4522, 4517..4732, 4518..4724		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15948	Strand	-
Start	14831	End	15061
Name	OJ990501_26.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	4504	End	4855
GI	none	Score	186
Exons	4504..4755, 4520..4765, 4521..4757, 4748..4855		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15948	Strand	-
Start	14831	End	15061
Name	OJ990501_26.9A01.C4.o6.gp	Method	AAT/GAP
Start	14700	End	15061
GI	5038851	Score	637
Exons	14700..15061		
GI Descrip.	4206208/gb AAD11596.1 AAD11596 5.0e-14 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4263041_gb_AAD15310 (AC005142) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15948	Strand	-
Start	14831	End	15061
Name	OJ990501_26.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	14831	End	15058
GI	none	Score	223
Exons	14831..15058, 14832..15056		

Seq. No.	7550	Seq. ID	OJ990501_26.9A01.C4
Gene No.	15948	Strand	-
Start	14831	End	15061
Name	OJ990501_26.9A01.C4.o6.gs	Method	GENSCAN
Start	14831	End	15061
GI	none	Score	.89
Exons	14831..15061		

Seq. No.	7551	Seq. ID	OJ990501_26.9A01.C5
Gene No.	15949	Strand	-
Start	216	End	760
Name	OJ990501_26.9A01.C5.o1.gs	Method	GENSCAN
Start	216	End	760
GI	none	Score	.91
Exons	216..346, 722..760		

Seq. No.	7551	Seq. ID	OJ990501_26.9A01.C5
Gene No.	15950	Strand	-
Start	730	End	837
Name	OJ990501_26.9A01.C5.o1.np	Method	AAT/NAP
Start	730	End	837
GI	4680179	Score	170
Exons	730..837		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	1814
GI	4680179	Score	1235
Exons	1..1476, 1789..1814		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o2.tw	Method	TBLASTX:Wheat

Start	34	End	431
GI	none	Score	62
Exons	34..204, 59..178, 267..431, 268..381		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o1.gs	Method	GENSCAN
Start	78	End	1499
GI	none	Score	.74
Exons	78..194, 380..1499		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	735	End	1079
GI	none	Score	43
Exons	735..1079, 884..976, 949..1053		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	780	End	1079
GI	none	Score	47
Exons	780..1079, 781..861, 949..1053		

Seq. No.	7552	Seq. ID	OJ990501_26.9A01.C6
Gene No.	15951	Strand	-
Start	1	End	1814
Name	OJ990501_26.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	1131	End	1313
GI	none	Score	132
Exons	1131..1313, 1132..1311		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15952	Strand	+
Start	6604	End	6670
Name	OJ990501_26.9A01.C7.o1.gp	Method	AAT/GAP
Start	6604	End	6670
GI	uC-osroM202024h08a1	Score	87
Exons	6604..6670		
GI Descrip.	'5852170/emb AL117265.1 OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15953	Strand	+
Start	12600	End	18168
Name	OJ990501_26.9A01.C7.o6.np	Method	AAT/NAP
Start	12600	End	18165
GI	4680179	Score	2039
Exons	12600..12621, 16845..18165		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15953	Strand	+

Start	12600	End	18168
Name	OJ990501_26.9A01.C7.o2.gp	Method	AAT/GAP
Start	14124	End	14349
GI	uC-osroM202024h08a1	Score	331
Exons	14124..14349		
GI Descrip.	'5852170/emb AL117265.1 OST17804 5.0e-84 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15953	Strand	+
Start	12600	End	18168
Name	OJ990501_26.9A01.C7.o4.np	Method	AAT/NAP
Start	14631	End	16091
GI	5852180	Score	319
Exons	14631..14735, 15761..16091		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15953	Strand	+
Start	12600	End	18168
Name	OJ990501_26.9A01.C7.o4.gp	Method	AAT/GAP
Start	15466	End	15536
GI	uC-osroM202024h08a1	Score	91
Exons	15466..15536		
GI Descrip.	'5852170/emb AL117265.1 OST17804 5.0e-84 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15953	Strand	+
Start	12600	End	18168
Name	OJ990501_26.9A01.C7.o5.gs	Method	GENSCAN
Start	16927	End	18168
GI	none	Score	.62
Exons	16927..18168		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15954	Strand	-
Start	1	End	895
Name	OJ990501_26.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	378
GI	4512229	Score	646
Exons	1..378		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15954	Strand	-
Start	1	End	895
Name	OJ990501_26.9A01.C7.o1.gs	Method	GENSCAN
Start	24	End	895
GI	none	Score	.44
Exons	24..378, 893..895		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o3.gs	Method	GENSCAN
Start	6876	End	12444

GI	none	Score	.54
Exons	6876..6971, 7013..7150, 8165..8266, 8351..8565, 8788..12218, 12332..12444		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o7.tm	Method	TBLASTX:Maize
Start	7993	End	18172
GI	none	Score	140
Exons	7993..8034, 8027..8239, 17929..18141, 17955..18050, 18143..18172, 18143..18172		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o2.np	Method	AAT/NAP
Start	8003	End	13058
GI	4680179	Score	5648
Exons	8003..12381, 12943..13058		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o5.tw	Method	TBLASTX:Wheat
Start	8048	End	18120
GI	none	Score	59
Exons	8048..8380, 8264..8377, 8307..8381, 17787..18068, 17788..18120		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	8243	End	17925
GI	none	Score	47
Exons	8243..8668, 8253..8339, 8367..8669, 8664..8819, 8666..8827, 8673..8819, 8675..8821, 17340..17495, 17341..17502, 17355..17504, 17499..17672, 17500..17925, 17620..17904, 17727..17924		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	8381	End	17787
GI	none	Score	51
Exons	8381..9007, 8382..8450, 8387..8632, 8493..9005, 17161..17787, 17220..17669, 17727..17786		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	8876	End	17292
GI	none	Score	283
Exons	8876..9166, 8880..9167, 8896..9168, 9067..9168, 17001..17288,		

17001..17288, 17002..17292

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o2.ts	Method	TBLASTX:Soybean
Start	8966	End	17202
GI	none	Score	188
Exons	8966..9226, 8967..9224, 16942..17202, 16953..17201		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	8990	End	17178
GI	none	Score	86
Exons	8990..9133, 9009..9131, 9134..9316, 16852..17034, 17035..17178, 17037..17177		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	9014	End	17154
GI	none	Score	385
Exons	9014..9550, 9015..9548, 16846..17154, 16872..17150, 16873..17154		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	9581	End	9934
GI	none	Score	49
Exons	9581..9934, 9588..9620, 9596..9928, 9666..9929		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o3.tw	Method	TBLASTX:Wheat
Start	9581	End	10007
GI	none	Score	250
Exons	9581..9958, 9581..10006, 9588..10007		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o3.ts	Method	TBLASTX:Soybean
Start	9752	End	10000
GI	none	Score	211
Exons	9752..10000		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o5.tm	Method	TBLASTX:Maize
Start	9936	End	10273
GI	none	Score	153

Exons 9936..10220, 9941..10273

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o6.tw	Method	TBLASTX:Wheat
Start	10008	End	10282
GI	none	Score	254
Exons	10008..10262, 10008..10268, 10010..10270, 10033..10266, 10040..10282		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	10022	End	10417
GI	none	Score	168
Exons	10022..10273, 10032..10262, 10079..10276, 10236..10379, 10301..10381, 10328..10381, 10385..10417, 10385..10417		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	10328	End	10771
GI	none	Score	125
Exons	10328..10771, 10337..10699		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o4.tw	Method	TBLASTX:Wheat
Start	10358	End	10844
GI	none	Score	209
Exons	10358..10840, 10400..10729, 10554..10844		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o4.ts	Method	TBLASTX:Soybean
Start	10490	End	10804
GI	none	Score	194
Exons	10490..10804		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o8.tw	Method	TBLASTX:Wheat
Start	10979	End	11326
GI	none	Score	235
Exons	10979..11326		

Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o8.tm	Method	TBLASTX:Maize
Start	11060	End	11380

GI	none	Score	188
Exons	11060..11380		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o7.tw	Method	TBLASTX:Wheat
Start	11681	End	12026
GI	none	Score	36
Exons	11681..12025, 11830..11865, 11895..12026		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o6.tm	Method	TBLASTX:Maize
Start	11726	End	12025
GI	none	Score	47
Exons	11726..12025, 11727..11807, 11878..11907, 11895..11999		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o9.tw	Method	TBLASTX:Wheat
Start	12077	End	12278
GI	none	Score	146
Exons	12077..12277, 12078..12278		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o4.gs	Method	GENSCAN
Start	12730	End	16469
GI	none	Score	.78
Exons	12730..13494, 14813..14901, 15900..16111, 16372..16469		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o3.np	Method	AAT/NAP
Start	12733	End	13494
GI	4512229	Score	1228
Exons	12733..13494		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		
Seq. No.	7553	Seq. ID	OJ990501_26.9A01.C7
Gene No.	15955	Strand	-
Start	6876	End	18767
Name	OJ990501_26.9A01.C7.o5.np	Method	AAT/NAP
Start	14728	End	18767
GI	6063554	Score	232
Exons	14728..14901, 15873..16127, 16210..16504, 18695..18767		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+

Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.gp	Method	AAT/GAP
Start	1	End	2891
GI	342_1.R1084	Score	5026
Exons	1..2891		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	1769
GI	6742729	Score	2779
Exons	1..1769		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o3.tw	Method	TBLASTX:Wheat
Start	22	End	386
GI	none	Score	72
Exons	22..72, 23..76, 90..170, 90..176, 91..177, 157..381, 177..386, 178..381, 180..386		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o3.tm	Method	TBLASTX:Maize
Start	26	End	420
GI	none	Score	77
Exons	26..97, 91..216, 226..420		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.gs	Method	GENSCAN
Start	127	End	11072
GI	none	Score	.5
Exons	127..2183, 3034..3132, 3702..3873, 3911..4114, 4168..4270, 5560..5648, 6633..7429, 7912..8040, 8065..9923, 10355..10497, 10786..10897, 10989..11072		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	250	End	492
GI	none	Score	216
Exons	250..492		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o4.tw	Method	TBLASTX:Wheat
Start	526	End	935

GI	none	Score	84
Exons	526..588, 528..575, 594..776, 598..816, 844..933, 849..935, 850..933		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	936	End	2253
GI	none	Score	348
Exons	936..1661, 936..1838, 937..1854, 1849..1893, 1853..1888, 1896..1991, 1900..1959, 1938..2078, 1939..2079, 2092..2172, 2161..2253		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	979	End	1293
GI	none	Score	313
Exons	979..1293, 990..1265, 1063..1293		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	1220	End	1671
GI	none	Score	190
Exons	1220..1402, 1224..1661, 1224..1667, 1228..1671, 1522..1671		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o3.np	Method	AAT/NAP
Start	6633	End	7430
GI	4512231	Score	1329
Exons	6633..7430		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o4.np	Method	AAT/NAP
Start	7103	End	11244
GI	4680179	Score	1893
Exons	7103..7191, 7729..8704, 8732..9672, 11216..11244		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
Gene No.	15956	Strand	+
Start	1	End	11244
Name	OJ990501_26.9A01.C8.o7.tw	Method	TBLASTX:Wheat
Start	7855	End	8053
GI	none	Score	213
Exons	7855..8052, 7856..8053		

Seq. No.	7554	Seq. ID	OJ990501_26.9A01.C8
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Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o5.tw
 Start 8102
 GI none
 Exons 8102..8299, 8105..8455

Strand +
 End 11244
 Method TBLASTX:Wheat
 End 8455
 Score 316

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o4.tm
 Start 8105
 GI none
 Exons 8105..8410

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Maize
 End 8410
 Score 240

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o6.tw
 Start 8789
 GI none
 Exons 8789..9142, 8789..9067

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Wheat
 End 9142
 Score 258

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o2.tw
 Start 9274
 GI none
 Exons 9274..9645, 9275..9646, 9384..9671

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Wheat
 End 9671
 Score 435

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o2.tm
 Start 9284
 GI none
 Exons 9284..9574, 9286..9576

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Maize
 End 9576
 Score 311

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o2.ts
 Start 9311
 GI none
 Exons 9311..9625

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Soybean
 End 9625
 Score 195

Seq. No. 7554
 Gene No. 15956
 Start 1
 Name OJ990501_26.9A01.C8.o5.tm
 Start 9635
 GI none
 Exons 9635..9880, 9652..9699, 9810..9872

Seq. ID OJ990501_26.9A01.C8
 Strand +
 End 11244
 Method TBLASTX:Maize
 End 9880
 Score 238

Seq. No. 7554
 Gene No. 15956

Seq. ID OJ990501_26.9A01.C8
 Strand +

Start	1	End	11244
Name	OJ990501_26.9A01.C8.o8.tw	Method	TBLASTX:Wheat
Start	9674	End	9892
GI	none	Score	209
Exons	9674..9892		

Seq. No.	7555	Seq. ID	OJ990501_26.9A01.C9
Gene No.	15957	Strand	+
Start	1126	End	1747
Name	OJ990501_26.9A01.C9.o1.np	Method	AAT/NAP
Start	1126	End	1747
GI	4680204	Score	237
Exons	1126..1747		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	3017
GI	4680204	Score	744
Exons	1..756, 831..1930, 2040..2213, 2310..2529, 2880..3017		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o2.np	Method	AAT/NAP
Start	1	End	11171
GI	1707012	Score	239
Exons	1..55, 931..972, 1064..1294, 10928..11171		
GI Descrip.	(U78721) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o1.gs	Method	GENSCAN
Start	16	End	3062
GI	none	Score	.77
Exons	16..756, 831..1930, 2040..2213, 2310..2420, 2505..2577, 2850..3062		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o2.gs	Method	GENSCAN
Start	3577	End	7709
GI	none	Score	.62
Exons	3577..3606, 5359..5442, 5693..5833, 6182..6357, 6455..7206, 7609..7709		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o3.gp	Method	AAT/GAP
Start	5744	End	6353
GI	none	Score	648

Exons 5744..5875, 5989..6032, 6182..6353

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o4.gp	Method	AAT/GAP
Start	6508	End	6932
GI	none	Score	810
Exons	6508..6932		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o3.gs	Method	GENSCAN
Start	9269	End	11180
GI	none	Score	.66
Exons	9269..9299, 10500..10556, 10786..11180		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15958	Strand	+
Start	1	End	11180
Name	OJ990501_26.9A01.C10.o5.gp	Method	AAT/GAP
Start	10803	End	11136
GI	76082_1.R1084	Score	630
Exons	10803..11136		
GI Descrip.	'2842486/emb CAA16883.1 1.0e-27 (AL021749) putative protein [Arabidopsis thaliana]'		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15959	Strand	-
Start	3403	End	3546
Name	OJ990501_26.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	69	End	408
GI	none	Score	145
Exons	69..218, 70..231, 235..372, 295..369, 376..408		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15959	Strand	-
Start	3403	End	3546
Name	OJ990501_26.9A01.C10.o3.tw	Method	TBLASTX:Wheat
Start	1857	End	2379
GI	none	Score	60
Exons	1857..1937, 2026..2208, 2076..2201, 2308..2379		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15959	Strand	-
Start	3403	End	3546
Name	OJ990501_26.9A01.C10.o2.gp	Method	AAT/GAP
Start	3403	End	3546
GI	21474_1.R1084	Score	228
Exons	3403..3546		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15960	Strand	
Start	6179	End	6710

Name	OJ990501_26.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	6179	End	6653
GI	none	Score	123
Exons	6179..6208, 6220..6345, 6230..6373, 6235..6357, 6486..6545, 6582..6653		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15960	Strand	
Start	6179	End	6710
Name	OJ990501_26.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	6179	End	6710
GI	none	Score	237
Exons	6179..6400, 6190..6357, 6486..6710, 6513..6572, 6554..6706		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15960	Strand	
Start	6179	End	6710
Name	OJ990501_26.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	6185	End	6626
GI	none	Score	49
Exons	6185..6214, 6188..6217, 6226..6369, 6229..6357, 6230..6394, 6486..6626, 6554..6625		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15961	Strand	
Start	6789	End	7211
Name	OJ990501_26.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	6789	End	7211
GI	none	Score	320
Exons	6789..7211, 6950..7210		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15962	Strand	
Start	10880	End	11144
Name	OJ990501_26.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	10880	End	11144
GI	none	Score	152
Exons	10880..10984, 10881..11009, 11072..11140, 11073..11144		

Seq. No.	7556	Seq. ID	OJ990501_26.9A01.C10
Gene No.	15962	Strand	
Start	10880	End	11144
Name	OJ990501_26.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	10886	End	11144
GI	none	Score	151
Exons	10886..10987, 10890..11006, 10938..11018, 11072..11140, 11073..11144, 11079..11141		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15963	Strand	+
Start	2526	End	2710
Name	OJ990501_26.9A01.C11.o1.gp	Method	AAT/GAP
Start	2526	End	2659
GI	76082_1.R1084	Score	201
Exons	2526..2659		
GI Descrip.	'2842486/emb CAA16883.1 1.0e-27 (AL021749) putative protein [Arabidopsis thaliana]'		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15963	Strand	+
Start	2526	End	2710
Name	OJ990501_26.9A01.C11.o2.np	Method	AAT/NAP
Start	2526	End	2710
GI	4056457	Score	223
Exons	2526..2710		
GI Descrip.	(AC005990) ESTs gb 234051 and gb F13722 come from this gene. [Arabidopsis thaliana]		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15964	Strand	+
Start	5823	End	6095
Name	OJ990501_26.9A01.C11.o2.gp	Method	AAT/GAP
Start	5823	End	6095
GI	none	Score	488
Exons	5823..6095		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15965	Strand	+
Start	6486	End	6554
Name	OJ990501_26.9A01.C11.o3.gp	Method	AAT/GAP
Start	6486	End	6554
GI	none	Score	125
Exons	6486..6554		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15966	Strand	-
Start	1916	End	2213
Name	OJ990501_26.9A01.C11.o1.np	Method	AAT/NAP
Start	1916	End	2213
GI	82515	Score	249
Exons	1916..2213		
GI Descrip.	hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi 11963 emb CAA34012 (X15901) ORF100 [Oryza sativa] gi 226681 prf 1603356F ORF 100 [Oryza sativa]		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15967	Strand	
Start	2515	End	2728
Name	OJ990501_26.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	2515	End	2710
GI	none	Score	258
Exons	2515..2709, 2525..2710		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15967	Strand	
Start	2515	End	2728
Name	OJ990501_26.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	2524	End	2704
GI	none	Score	244
Exons	2524..2703, 2525..2704, 2576..2704		

Seq. No.	7557	Seq. ID	OJ990501_26.9A01.C11
Gene No.	15967	Strand	
Start	2515	End	2728

Name	OJ990501_26.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	2524	End	2728
GI	none	Score	268
Exons	2524..2718, 2525..2728		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15968	Strand	+
Start	83	End	5010
Name	OJ990501_26.9A01.C12.o1.gs	Method	GENSCAN
Start	83	End	4063
GI	none	Score	.87
Exons	83..259, 271..295, 587..684, 1188..1352, 2317..2486, 2661..2816, 3374..3726, 3876..4063		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15968	Strand	+
Start	83	End	5010
Name	OJ990501_26.9A01.C12.o1.np	Method	AAT/NAP
Start	2314	End	5010
GI	477043	Score	179
Exons	2314..2486, 2661..2835, 3384..3618, 4979..5010		
GI Descrip.	glucan 1,3-beta-glucosidase (EC 3.2.1.58) - yeast (Candida albicans)		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15969	Strand	-
Start	95	End	160
Name	OJ990501_26.9A01.C12.o1.gp	Method	AAT/GAP
Start	95	End	160
GI	none	Score	100
Exons	95..160		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15970	Strand	
Start	98	End	4066
Name	OJ990501_26.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	98	End	3530
GI	none	Score	75
Exons	98..154, 98..139, 205..300, 206..301, 1224..1283, 1287..1367, 1289..1354, 2314..2487, 2321..2497, 2322..2489, 2661..2816, 2662..2817, 2663..2818, 2669..2818, 3369..3530, 3371..3529, 3372..3530		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15970	Strand	
Start	98	End	4066
Name	OJ990501_26.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	2391	End	4048
GI	none	Score	149
Exons	2391..2489, 2392..2487, 2659..2817, 2661..2816, 3371..3727, 3372..3731, 3861..3998, 3874..4047, 3875..4048		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15970	Strand	
Start	98	End	4066
Name	OJ990501_26.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	2661	End	3443

GI	none	Score	238
Exons	2661..2816, 2662..2817, 2663..2818, 3369..3443, 3371..3430		
Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15970	Strand	
Start	98	End	4066
Name	OJ990501_26.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	3471	End	4015
GI	none	Score	317
Exons	3471..3731, 3473..3727, 3474..3728, 3484..3732, 3874..4014, 3875..4015		

Seq. No.	7558	Seq. ID	OJ990501_26.9A01.C12
Gene No.	15970	Strand	
Start	98	End	4066
Name	OJ990501_26.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	3614	End	4066
GI	none	Score	142
Exons	3614..3727, 3615..3731, 3874..4056, 3875..4051, 3875..4066		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15971	Strand	+
Start	681	End	3144
Name	OJ990501_26.9A01.C13.o1.gs	Method	GENSCAN
Start	681	End	3144
GI	none	Score	.6
Exons	681..701, 2917..3144		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15972	Strand	+
Start	3275	End	3606
Name	OJ990501_26.9A01.C13.o1.gp	Method	AAT/GAP
Start	3275	End	3606
GI	4715611	Score	636
Exons	3275..3606		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15973	Strand	+
Start	10217	End	12044
Name	OJ990501_26.9A01.C13.o3.gs	Method	GENSCAN
Start	10217	End	12044
GI	none	Score	.88
Exons	10217..10276, 10872..10975, 11478..11674, 11766..11912, 12031..12044		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15974	Strand	+
Start	19932	End	29378
Name	OJ990501_26.9A01.C13.o5.gs	Method	GENSCAN
Start	19932	End	29378
GI	none	Score	.48
Exons	19932..20069, 20327..20521, 20916..21000, 21075..21466, 21648..21770, 23818..24583, 24622..24650, 25064..28164, 28223..29378		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15974	Strand	+

Start	19932	End	29378
Name	OJ990501_26.9A01.C13.o4.gp	Method	AAT/GAP
Start	22553	End	22937
GI	uC-osflcyp033a04b1	Score	616
Exons	22553..22937		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15974	Strand	+
Start	19932	End	29378
Name	OJ990501_26.9A01.C13.o2.np	Method	AAT/NAP
Start	24876	End	29375
GI	4680179	Score	5423
Exons	24876..25939, 25973..29375		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15975	Strand	-
Start	3304	End	9118
Name	OJ990501_26.9A01.C13.o2.gs	Method	GENSCAN
Start	3304	End	9118
GI	none	Score	.75
Exons	3304..3374, 3389..3580, 4197..4237, 6798..6887, 6980..7059, 9092..9118		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15975	Strand	-
Start	3304	End	9118
Name	OJ990501_26.9A01.C13.o2.gp	Method	AAT/GAP
Start	4849	End	5057
GI	1631463	Score	308
Exons	4849..5057		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15976	Strand	-
Start	12839	End	14352
Name	OJ990501_26.9A01.C13.o1.np	Method	AAT/NAP
Start	12839	End	14352
GI	6721562	Score	316
Exons	12839..13676, 13945..14352		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15977	Strand	
Start	25035	End	25299
Name	OJ990501_26.9A01.C13.o9.tw	Method	TBLASTX:Wheat
Start	25035	End	25299
GI	none	Score	43
Exons	25035..25061, 25100..25297, 25102..25299		

Seq. No. 7559
 Gene No. 15978
 Start 25333
 Name OJ990501_26.9A01.C13.o7.tw
 Start 25333
 GI none
 Exons 25333..25527, 25334..25684

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 25684
 Method TBLASTX:Wheat
 End 25684
 Score 293

Seq. No. 7559
 Gene No. 15978
 Start 25333
 Name OJ990501_26.9A01.C13.o6.tm
 Start 25334
 GI none
 Exons 25334..25639, 25348..25464

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 25684
 Method TBLASTX:Maize
 End 25639
 Score 232

Seq. No. 7559
 Gene No. 15979
 Start 25964
 Name OJ990501_26.9A01.C13.o7.tm
 Start 25964
 GI none
 Exons 25964..26317

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 26422
 Method TBLASTX:Maize
 End 26317
 Score 189

Seq. No. 7559
 Gene No. 15979
 Start 25964
 Name OJ990501_26.9A01.C13.o8.tw
 Start 26000
 GI none
 Exons 26000..26209, 26056..26208,

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 26422
 Method TBLASTX:Wheat
 End 26422
 Score 166
 26254..26367, 26255..26422

Seq. No. 7559
 Gene No. 15980
 Start 26533
 Name OJ990501_26.9A01.C13.o4.tw
 Start 26533
 GI none
 Exons 26533..26976, 26537..26587,

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 27406
 Method TBLASTX:Wheat
 End 27019
 Score 51
 26642..27019

Seq. No. 7559
 Gene No. 15980
 Start 26533
 Name OJ990501_26.9A01.C13.o5.tm
 Start 26548
 GI none
 Exons 26548..26838, 26549..26836

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 27406
 Method TBLASTX:Maize
 End 26838
 Score 277

Seq. No. 7559
 Gene No. 15980
 Start 26533
 Name OJ990501_26.9A01.C13.o3.tm
 Start 26906
 GI none
 Exons 26906..27085, 26914..27060,

Seq. ID OJ990501_26.9A01.C13
 Strand
 End 27406
 Method TBLASTX:Maize
 End 27406
 Score 167

27092..27406, 27232..27285,
 27313..27363

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15980	Strand	
Start	26533	End	27406
Name	OJ990501_26.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	26960	End	27355
GI	none	Score	57
Exons	26960..26992, 26962..26991, 26996..27355, 26998..27036, 27064..27354		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15980	Strand	
Start	26533	End	27406
Name	OJ990501_26.9A01.C13.o5.tw	Method	TBLASTX:Wheat
Start	27068	End	27370
GI	none	Score	382
Exons	27068..27370, 27069..27149, 27070..27354		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15981	Strand	
Start	27371	End	27874
Name	OJ990501_26.9A01.C13.o2.tw	Method	TBLASTX:Wheat
Start	27371	End	27874
GI	none	Score	630
Exons	27371..27874, 27403..27792		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15981	Strand	
Start	27371	End	27874
Name	OJ990501_26.9A01.C13.o3.ts	Method	TBLASTX:Soybean
Start	27377	End	27622
GI	none	Score	207
Exons	27377..27622, 27394..27522		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15981	Strand	
Start	27371	End	27874
Name	OJ990501_26.9A01.C13.o2.tm	Method	TBLASTX:Maize
Start	27442	End	27805
GI	none	Score	482
Exons	27442..27792, 27443..27796, 27443..27805		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o3.tw	Method	TBLASTX:Wheat
Start	27874	End	28335
GI	none	Score	571
Exons	27874..28326, 27875..28330, 28081..28335		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o2.ts	Method	TBLASTX:Soybean
Start	28151	End	28412
GI	none	Score	184
Exons	28151..28339, 28154..28312, 28156..28317, 28326..28412,		

28340..28411

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o4.tm	Method	TBLASTX:Maize
Start	28210	End	28502
GI	none	Score	168
Exons	28210..28335, 28211..28339, 28329..28502, 28340..28498		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	28371	End	28997
GI	none	Score	703
Exons	28371..28997, 28427..28885, 28872..28994		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	28551	End	29150
GI	none	Score	231
Exons	28551..28712, 28559..28705, 28709..29134, 28710..29150, 28872..29135		

Seq. No.	7559	Seq. ID	OJ990501_26.9A01.C13
Gene No.	15982	Strand	
Start	27874	End	29330
Name	OJ990501_26.9A01.C13.o6.tw	Method	TBLASTX:Wheat
Start	28997	End	29330
GI	none	Score	325
Exons	28997..29266, 28998..29330, 29001..29309		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15983	Strand	+
Start	1	End	5385
Name	OJ990501_26.9A01.C14.o2.np	Method	AAT/NAP
Start	1	End	5385
GI	4544372	Score	1162
Exons	1..34, 2223..3254, 3320..3719, 3825..5385		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o5.ts	Method	TBLASTX:Soybean
Start	2339	End	2704
GI	none	Score	148
Exons	2339..2563, 2350..2562, 2570..2704		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o2.tw	Method	TBLASTX:Wheat

Start	2501	End	2890
GI	none	Score	76
Exons	2501..2557, 2552..2884, 2560..2874, 2561..2890, 2791..2889		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o3.tm	Method	TBLASTX:Maize
Start	2555	End	2773
GI	none	Score	262
Exons	2555..2773, 2560..2772		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	2774	End	3234
GI	none	Score	414
Exons	2774..3157, 2776..3192, 3160..3234		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o5.tw	Method	TBLASTX:Wheat
Start	2899	End	3303
GI	none	Score	170
Exons	2899..3129, 2900..3157, 3202..3303, 3222..3299		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o2.ts	Method	TBLASTX:Soybean
Start	2921	End	3309
GI	none	Score	201
Exons	2921..3157, 2959..3159, 3202..3309, 3225..3308		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	3540	End	3952
GI	none	Score	122
Exons	3540..3677, 3542..3673, 3698..3952, 3699..3950		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o6.tw	Method	TBLASTX:Wheat
Start	3714	End	4076
GI	none	Score	185
Exons	3714..4076, 3725..3793, 3824..3928		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o4.tm	Method	TBLASTX:Maize
Start	4239	End	4556

GI	none	Score	208
Exons	4239..4556		
Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o4.ts	Method	TBLASTX:Soybean
Start	4404	End	4802
GI	none	Score	229
Exons	4404..4802, 4463..4624		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o3.tw	Method	TBLASTX:Wheat
Start	4680	End	10846
GI	none	Score	90
Exons	4680..4829, 10618..10845, 10622..10846		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o4.tw	Method	TBLASTX:Wheat
Start	4963	End	5370
GI	none	Score	216
Exons	4963..5370, 5112..5369		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o3.ts	Method	TBLASTX:Soybean
Start	5146	End	5391
GI	none	Score	239
Exons	5146..5391, 5146..5277, 5148..5387		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o2.gs	Method	GENSCAN
Start	5944	End	10797
GI	none	Score	.63
Exons	5944..6345, 6432..6533, 6728..7025, 9017..9102, 9195..9275, 9732..9785, 10282..10797		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o1.gp	Method	AAT/GAP
Start	7125	End	7338
GI	1631463	Score	312
Exons	7125..7338		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-

Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o3.np	Method	AAT/NAP
Start	10147	End	10907
GI	4680179	Score	1175
Exons	10147..10907		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	10157	End	10614
GI	none	Score	36
Exons	10157..10210, 10192..10614, 10316..10432, 10417..10497, 10472..10594		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o5.tm	Method	TBLASTX:Maize
Start	10171	End	10368
GI	none	Score	197
Exons	10171..10368		

Seq. No.	7560	Seq. ID	OJ990501_26.9A01.C14
Gene No.	15984	Strand	-
Start	5944	End	10907
Name	OJ990501_26.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	10372	End	10846
GI	none	Score	265
Exons	10372..10812, 10385..10810, 10810..10845, 10817..10846		

Seq. No.	7561	Seq. ID	OJ990501_26.9A01.C16
Gene No.	15985	Strand	-
Start	169	End	432
Name	OJ990501_26.9A01.C16.o1.gs	Method	GENSCAN
Start	169	End	432
GI	none	Score	.57
Exons	169..432		

Seq. No.	7562	Seq. ID	OJ990501_26.9A01.C19
Gene No.	15986	Strand	+
Start	86	End	88
Name	OJ990501_26.9A01.C19.o1.gs	Method	GENSCAN
Start	86	End	88
GI	none	Score	.88
Exons	86..88		

Seq. No.	7563	Seq. ID	OJ990501_26.9A01.C23
Gene No.	15987	Strand	+
Start	75	End	482
Name	OJ990501_26.9A01.C23.o1.gs	Method	GENSCAN
Start	75	End	431
GI	none	Score	.85
Exons	75..431		

Seq. No.	7563	Seq. ID	OJ990501_26.9A01.C23
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Gene No.	15987	Strand	+
Start	75	End	482
Name	OJ990501_26.9A01.C23.ol.np	Method	AAT/NAP
Start	273	End	482
GI	5441880	Score	139
Exons	273..482		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7564	Seq. ID	OJ990501_26.9A01.C24
Gene No.	15988	Strand	-
Start	1	End	702
Name	OJ990501_26.9A01.C24.ol.np	Method	AAT/NAP
Start	1	End	702
GI	4680203	Score	863
Exons	1..702		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7564	Seq. ID	OJ990501_26.9A01.C24
Gene No.	15988	Strand	-
Start	1	End	702
Name	OJ990501_26.9A01.C24.ol.tm	Method	TBLASTX:Maize
Start	8	End	375
GI	none	Score	75
Exons	8..142, 152..277, 277..375		

Seq. No.	7564	Seq. ID	OJ990501_26.9A01.C24
Gene No.	15988	Strand	-
Start	1	End	702
Name	OJ990501_26.9A01.C24.ol.tw	Method	TBLASTX:Wheat
Start	110	End	450
GI	none	Score	99
Exons	110..277, 177..278, 180..278, 271..450, 277..450		

Seq. No.	7565	Seq. ID	OJ990501_26.9A01.C25
Gene No.	15989	Strand	-
Start	1	End	507
Name	OJ990501_26.9A01.C25.ol.np	Method	AAT/NAP
Start	1	End	507
GI	5441880	Score	354
Exons	1..341, 450..507		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7565	Seq. ID	OJ990501_26.9A01.C25
Gene No.	15989	Strand	-
Start	1	End	507
Name	OJ990501_26.9A01.C25.ol.gs	Method	GENSCAN
Start	8	End	374
GI	none	Score	.88
Exons	8..196, 220..374		

Seq. No.	7566	Seq. ID	OJ990501_26.9A01.C26
Gene No.	15990	Strand	+
Start	1	End	546

Name	OJ990501_26.9A01.C26.o1.np	Method	AAT/NAP
Start	1	End	546
GI	5441880	Score	98
Exons	1..81, 526..546		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	7566	Seq. ID	OJ990501_26.9A01.C26
Gene No.	15990	Strand	+
Start	1	End	546
Name	OJ990501_26.9A01.C26.o1.tw	Method	TBLASTX:Wheat
Start	6	End	308
GI	none	Score	111
Exons	6..101, 6..80, 8..85, 134..202, 135..308, 142..297		

Seq. No.	7566	Seq. ID	OJ990501_26.9A01.C26
Gene No.	15990	Strand	+
Start	1	End	546
Name	OJ990501_26.9A01.C26.o1.gs	Method	GENSCAN
Start	120	End	437
GI	none	Score	.63
Exons	120..437		

Seq. No.	7567	Seq. ID	OJ990501_26.9A01.C27
Gene No.	15991	Strand	+
Start	1	End	166
Name	OJ990501_26.9A01.C27.o1.np	Method	AAT/NAP
Start	1	End	166
GI	4416302	Score	155
Exons	1..166		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	7567	Seq. ID	OJ990501_26.9A01.C27
Gene No.	15991	Strand	+
Start	1	End	166
Name	OJ990501_26.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	162
GI	none	Score	173
Exons	1..162, 3..44, 81..155		

Seq. No.	7568	Seq. ID	OJ990501_26.9A01.C29
Gene No.	15992	Strand	-
Start	47	End	237
Name	OJ990501_26.9A01.C29.o1.gs	Method	GENSCAN
Start	47	End	237
GI	none	Score	.47
Exons	47..237		

Seq. No.	7569	Seq. ID	OJ990501_26.9A01.C30
Gene No.	15993	Strand	-
Start	335	End	1293
Name	OJ990501_26.9A01.C30.o1.gs	Method	GENSCAN
Start	335	End	1293
GI	none	Score	.56
Exons	335..505, 582..762, 987..1293		

Seq. No.	7570	Seq. ID	OJ990501_26.9A01.C31
Gene No.	15994	Strand	+
Start	1	End	464
Name	OJ990501_26.9A01.C31.o1.np	Method	AAT/NAP
Start	1	End	464
GI	2465925	Score	173
Exons	1..300, 401..464		
GI Descrip.	(AF024649) receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	7570	Seq. ID	OJ990501_26.9A01.C31
Gene No.	15994	Strand	+
Start	1	End	464
Name	OJ990501_26.9A01.C31.o1.tm	Method	TBLASTX:Maize
Start	68	End	286
GI	none	Score	232
Exons	68..286, 68..238		

Seq. No.	7570	Seq. ID	OJ990501_26.9A01.C31
Gene No.	15994	Strand	+
Start	1	End	464
Name	OJ990501_26.9A01.C31.o1.tc	Method	TBLASTX:Cress
Start	86	End	464
GI	none	Score	186
Exons	86..298, 193..300, 405..464		

Seq. No.	7570	Seq. ID	OJ990501_26.9A01.C31
Gene No.	15994	Strand	+
Start	1	End	464
Name	OJ990501_26.9A01.C31.o1.ts	Method	TBLASTX:Soybean
Start	86	End	464
GI	none	Score	175
Exons	86..298, 172..294, 405..464		

Seq. No.	7571	Seq. ID	OJ990501_26.9A01.C32
Gene No.	15995	Strand	+
Start	80	End	280
Name	OJ990501_26.9A01.C32.o1.gs	Method	GENSCAN
Start	80	End	280
GI	none	Score	.82
Exons	80..280		

Seq. No.	7572	Seq. ID	OJ990501_26.9A01.C33
Gene No.	15996	Strand	+
Start	212	End	297
Name	OJ990501_26.9A01.C33.o1.gs	Method	GENSCAN
Start	212	End	297
GI	none	Score	.66
Exons	212..297		

Seq. No.	7573	Seq. ID	OJ990501_26.9A01.C34
Gene No.	15997	Strand	-
Start	319	End	679
Name	OJ990501_26.9A01.C34.o1.np	Method	AAT/NAP
Start	319	End	679
GI	3645899	Score	322
Exons	319..679		

GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. No.	7573	Seq. ID	OJ990501_26.9A01.C34
Gene No.	15997	Strand	-
Start	319	End	679
Name	OJ990501_26.9A01.C34.ol.tm	Method	TBLASTX:Maize
Start	337	End	678
GI	none	Score	159
Exons	337..678, 347..673		

Seq. No.	7574	Seq. ID	OJ990501_26.9A01.C37
Gene No.	15998	Strand	-
Start	1	End	100
Name	OJ990501_26.9A01.C37.ol.np	Method	AAT/NAP
Start	1	End	100
GI	5777617	Score	76
Exons	1..100		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	7574	Seq. ID	OJ990501_26.9A01.C37
Gene No.	15999	Strand	-
Start	393	End	585
Name	OJ990501_26.9A01.C37.ol.gs	Method	GENSCAN
Start	393	End	585
GI	none	Score	.49
Exons	393..585		

Seq. No.	7575	Seq. ID	OJ990501_26.9A01.C38
Gene No.	16000	Strand	-
Start	1	End	694
Name	OJ990501_26.9A01.C38.ol.np	Method	AAT/NAP
Start	1	End	694
GI	4680203	Score	258
Exons	1..694		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	7575	Seq. ID	OJ990501_26.9A01.C38
Gene No.	16000	Strand	-
Start	1	End	694
Name	OJ990501_26.9A01.C38.ol.ts	Method	TBLASTX:Soybean
Start	1	End	174
GI	none	Score	134
Exons	1..171, 2..172, 19..174		

Seq. No.	7575	Seq. ID	OJ990501_26.9A01.C38
Gene No.	16000	Strand	-
Start	1	End	694
Name	OJ990501_26.9A01.C38.ol.gs	Method	GENSCAN
Start	28	End	649
GI	none	Score	.55
Exons	28..278, 368..649		

Seq. No.	7576	Seq. ID	OJ990501_26.9A01.C43
Gene No.	16001	Strand	+
Start	15	End	118
Name	OJ990501_26.9A01.C43.ol.gs	Method	GENSCAN
Start	15	End	118

GI	none	Score	97
Exons	15..118		
Seq. No.	7577	Seq. ID	OJ990501_26.9A01.C45
Gene No.	16002	Strand	-
Start	356	End	444
Name	OJ990501_26.9A01.C45.o1.gs	Method	GENSCAN
Start	356	End	444
GI	none	Score	.8
Exons	356..444		

Seq. No.	7578	Seq. ID	OJ990501_26.9A01.C47
Gene No.	16003	Strand	-
Start	1	End	313
Name	OJ990501_26.9A01.C47.o1.np	Method	AAT/NAP
Start	1	End	313
GI	3645899	Score	147
Exons	1..313		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	7579	Seq. ID	OJ990501_26.9A01.C50
Gene No.	16004	Strand	-
Start	71	End	217
Name	OJ990501_26.9A01.C50.o1.gs	Method	GENSCAN
Start	71	End	217
GI	none	Score	.61
Exons	71..217		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.np	Method	AAT/NAP
Start	1	End	2060
GI	5852180	Score	81
Exons	1..120, 2034..2060		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o2.np	Method	AAT/NAP
Start	1	End	1851
GI	4680179	Score	1558
Exons	1..67, 710..1851		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.gp	Method	AAT/GAP
Start	402	End	626
GI	uC-osroM202024h08a1	Score	338
Exons	402..626		
GI Descrip.	'5852170/emb AL117265.1 OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
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Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.gs	Method	GENSCAN
Start	625	End	1845
GI	none	Score	.47
Exons	625..647, 733..1327, 1411..1845		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o4.tw	Method	TBLASTX:Wheat
Start	713	End	946
GI	none	Score	49
Exons	713..946, 714..764		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.tm	Method	TBLASTX:Maize
Start	974	End	1327
GI	none	Score	193
Exons	974..1327, 981..1322		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.tw	Method	TBLASTX:Wheat
Start	974	End	1393
GI	none	Score	206
Exons	974..1282, 974..1393, 981..1364		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o2.ts	Method	TBLASTX:Soybean
Start	1145	End	1387
GI	none	Score	203
Exons	1145..1387		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o2.tw	Method	TBLASTX:Wheat
Start	1395	End	1704
GI	none	Score	236
Exons	1395..1469, 1444..1665, 1445..1663, 1447..1704, 1611..1685		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o1.ts	Method	TBLASTX:Soybean
Start	1422	End	1812
GI	none	Score	181
Exons	1422..1550, 1444..1668, 1445..1660, 1447..1758, 1632..1766, 1723..1776, 1733..1774, 1779..1805, 1780..1812, 1781..1810		

Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
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Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o2.tm	Method	TBLASTX:Maize
Start	1444	End	1852
GI	none	Score	100
Exons	1444..1668, 1487..1615, 1729..1848, 1733..1852		
Seq. No.	7580	Seq. ID	OJ990501_26.9A01.C51
Gene No.	16005	Strand	-
Start	1	End	2060
Name	OJ990501_26.9A01.C51.o3.tw	Method	TBLASTX:Wheat
Start	1705	End	1852
GI	none	Score	149
Exons	1705..1851, 1706..1852		
Seq. No.	7581	Seq. ID	OJ990501_26.9A01.C52
Gene No.	16006	Strand	+
Start	284	End	1165
Name	OJ990501_26.9A01.C52.o1.np	Method	AAT/NAP
Start	284	End	1165
GI	5295955	Score	216
Exons	284..398, 1079..1165		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	7582	Seq. ID	OJ990421_22.9A01.C1
Gene No.	16007	Strand	-
Start	1	End	2328
Name	OJ990421_22.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	2328
GI	3367596	Score	153
Exons	1..172, 590..891, 1635..1745, 1915..2097, 2183..2328		
GI Descrip.	(AL031135) putative protein [Arabidopsis thaliana]		
Seq. No.	7582	Seq. ID	OJ990421_22.9A01.C1
Gene No.	16007	Strand	-
Start	1	End	2328
Name	OJ990421_22.9A01.C1.o1.gs	Method	GENSCAN
Start	99	End	2277
GI	none	Score	.4
Exons	99..196, 690..800, 903..969, 1586..1687, 1921..2100, 2186..2277		
Seq. No.	7582	Seq. ID	OJ990421_22.9A01.C1
Gene No.	16007	Strand	-
Start	1	End	2328
Name	OJ990421_22.9A01.C1.o2.tm	Method	TBLASTX:Maize
Start	682	End	960
GI	none	Score	121
Exons	682..804, 687..803, 687..857, 689..826, 898..960, 902..949		
Seq. No.	7582	Seq. ID	OJ990421_22.9A01.C1
Gene No.	16007	Strand	-
Start	1	End	2328
Name	OJ990421_22.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	1989	End	2328
GI	none	Score	92
Exons	1989..2102, 1995..2075, 2002..2151, 2191..2328, 2194..2328		

Seq. No.	7583	Seq. ID	OJ990421_22.9A01.C2
Gene No.	16008	Strand	+
Start	449	End	877
Name	OJ990421_22.9A01.C2.ol.gs	Method	GENSCAN
Start	449	End	877
GI	none	Score	.48
Exons	449..877		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16009	Strand	+
Start	1990	End	3295
Name	OJ990421_22.9A01.C3.ol.np	Method	AAT/NAP
Start	1990	End	3295
GI	6815099	Score	97
Exons	1990..2123, 3166..3295		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.ol.tw	Method	TBLASTX:Wheat
Start	4289	End	4626
GI	none	Score	38
Exons	4289..4333, 4326..4442, 4331..4423, 4332..4424, 4423..4461, 4446..4502, 4447..4503, 4470..4508, 4509..4610, 4519..4626, 4523..4600, 4533..4619		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.ol.gp	Method	AAT/GAP
Start	4455	End	4672
GI	2796570	Score	390
Exons	4455..4672		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.ol.tm	Method	TBLASTX:Maize
Start	4514	End	4698
GI	none	Score	124
Exons	4514..4600, 4518..4613, 4519..4617, 4519..4635, 4612..4698, 4627..4698		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.ol.tc	Method	TBLASTX:Cress
Start	4519	End	4908
GI	none	Score	78
Exons	4519..4605, 4523..4594, 4636..4656, 4636..4695, 4780..4908, 4781..4894		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436

Name	OJ990421_22.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	4519	End	5324
GI	none	Score	72
Exons	4519..4632, 4603..4719, 4780..4869, 4781..4867, 4781..4870, 4873..5004, 4876..5004, 4997..5092, 5031..5087, 5093..5191, 5186..5323, 5187..5324		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.o2.np	Method	AAT/NAP
Start	4522	End	5436
GI	2829924	Score	643
Exons	4522..4724, 4779..5436		
GI Descrip.	(AC002291) Unknown protein [Arabidopsis thaliana]		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.o2.gp	Method	AAT/GAP
Start	4906	End	5256
GI	LIB3433-016-Q6-K6-H11	Score	555
Exons	4906..5256		
GI Descrip.	'2829924 7.0e-19 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	7584	Seq. ID	OJ990421_22.9A01.C3
Gene No.	16010	Strand	-
Start	4455	End	5436
Name	OJ990421_22.9A01.C3.o2.tc	Method	TBLASTX:Cress
Start	4909	End	5167
GI	none	Score	68
Exons	4909..5004, 5012..5098, 5034..5090, 5096..5167		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16011	Strand	+
Start	4584	End	5268
Name	OJ990421_22.9A01.C4.o1.gp	Method	AAT/GAP
Start	4584	End	4965
GI	15915_1.R1084	Score	701
Exons	4584..4965		
GI Descrip.	'128405/sp P16313 NO21_SOYBN 1.0e-24 NODULIN 21 (N-21) >gi_99942_pir_S08632 nodulin-21 - soybean >gi_18694_emb_CAA34506_(X16488) nodulin-21 (AA 1-201) [Glycine max]'		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16011	Strand	+
Start	4584	End	5268
Name	OJ990421_22.9A01.C4.o1.np	Method	AAT/NAP
Start	4660	End	5268
GI	6143895	Score	545
Exons	4660..5268		
GI Descrip.	(AC010718) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16012	Strand	+

Start	18318	End	20491
Name	OJ990421_22.9A01.C4.o5.gs	Method	GENSCAN
Start	18318	End	20345
GI	none	Score	.55
Exons	18318..18511, 18981..19114, 19159..19206, 20116..20345		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16012	Strand	+
Start	18318	End	20491
Name	OJ990421_22.9A01.C4.o3.np	Method	AAT/NAP
Start	18626	End	20491
GI	6721519	Score	200
Exons	18626..18732, 18954..19275, 20400..20491		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16013	Strand	-
Start	870	End	2041
Name	OJ990421_22.9A01.C4.o2.gs	Method	GENSCAN
Start	870	End	2041
GI	none	Score	.44
Exons	870..1037, 1886..2041		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	4708	End	5097
GI	none	Score	349
Exons	4708..4953, 4708..4758, 4773..4925, 5055..5075, 5056..5097		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	4723	End	5249
GI	none	Score	287
Exons	4723..4950, 4773..4928, 5052..5249		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	4732	End	4938
GI	none	Score	257
Exons	4732..4938, 4773..4925		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o4.gs	Method	GENSCAN
Start	12531	End	17682
GI	none	Score	.76
Exons	12531..12625, 12941..13014, 14262..14343, 14495..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16685, 17612..17682		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o2.gp	Method	AAT/GAP
Start	13755	End	17233
GI	14603_1.R1084	Score	1905
Exons	13755..14129, 14262..14343, 14444..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16685, 17160..17233		
GI Descrip.	'4033424/sp O48556 IPYR MAIZE 1.0e-115 SOLUBLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) >gi_2668746 (AF034947) inorganic pyrophosphatase [Zea mays]'		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	13912	End	16687
GI	none	Score	35
Exons	13912..13932, 14048..14128, 14066..14128, 14067..14132, 14067..14129, 14258..14320, 14261..14341, 14263..14340, 14441..14566, 14441..14566, 14445..14570, 14445..14570, 14669..14737, 14670..14738, 14671..14739, 14672..14743, 14963..15073, 14963..15061, 14965..15078, 14965..15075, 15251..15382, 15315..15383, 16425..16469, 16429..16473, 16545..16649, 16553..16687, 16646..16684		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	14087	End	15045
GI	none	Score	85
Exons	14087..14128, 14088..14132, 14261..14341, 14262..14306, 14266..14343, 14444..14569, 14445..14570, 14445..14570, 14446..14613, 14669..14737, 14670..14738, 14670..14738, 14671..14739, 14671..14739, 14675..14743, 14940..15041, 14965..15045, 14965..15045		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o2.np	Method	AAT/NAP
Start	14090	End	16681
GI	4033424	Score	835
Exons	14090..14129, 14262..14343, 14444..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16681		
GI Descrip.	SOLUBLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) gi 2668746 (AF034947) inorganic pyrophosphatase [Zea mays]		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	14261	End	16672

GI	none	Score	46
Exons	14261..14341, 14263..14340, 14441..14569, 14445..14570, 14446..14571, 14671..14715, 14671..14739, 14675..14743, 14942..15073, 14963..15073, 14965..15075, 15251..15382, 15315..15383, 15337..15384, 16429..16473, 16517..16627, 16545..16646, 16547..16672		

Seq. No.	7585	Seq. ID	OJ990421_22.9A01.C4
Gene No.	16014	Strand	-
Start	12531	End	17682
Name	OJ990421_22.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	14261	End	16634
GI	none	Score	45
Exons	14261..14341, 14284..14343, 14445..14570, 14445..14570, 14446..14571, 14671..14739, 14671..14739, 14675..14761, 14963..15070, 14963..15070, 14964..15074, 14965..15099, 14965..15075, 15251..15382, 15318..15383, 16429..16473, 16437..16469, 16553..16633, 16554..16634		

Seq. No.	7586	Seq. ID	OJ990421_22.9A01.C5
Gene No.	16015	Strand	+
Start	189	End	417
Name	OJ990421_22.9A01.C5.o1.gs	Method	GENSCAN
Start	189	End	417
GI	none	Score	.65
Exons	189..417		

Seq. No.	7586	Seq. ID	OJ990421_22.9A01.C5
Gene No.	16016	Strand	-
Start	1074	End	4610
Name	OJ990421_22.9A01.C5.o1.gp	Method	AAT/GAP
Start	1074	End	1713
GI	3761581	Score	768
Exons	1074..1465, 1638..1713		
GI Descrip.	5777612/emb AJ245900.1 OSA245900 0.0e+00 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	7586	Seq. ID	OJ990421_22.9A01.C5
Gene No.	16016	Strand	-
Start	1074	End	4610
Name	OJ990421_22.9A01.C5.o2.gs	Method	GENSCAN
Start	1391	End	3853
GI	none	Score	.79
Exons	1391..1465, 1526..1574, 1812..2121, 2150..2177, 2678..2798, 3034..3108, 3831..3853		

Seq. No.	7586	Seq. ID	OJ990421_22.9A01.C5
Gene No.	16016	Strand	-
Start	1074	End	4610
Name	OJ990421_22.9A01.C5.o1.np	Method	AAT/NAP
Start	1394	End	4610
GI	5777634	Score	1248
Exons	1394..1465, 1526..1574, 1812..2121, 2678..2862, 3034..3108, 3429..3543, 4520..4610		
GI Descrip.	(AJ245900) CAA303722.1 protein [Oryza sativa]		

Seq. No.	7586	Seq. ID	OJ990421_22.9A01.C5
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Gene No.	16016	Strand	-
Start	1074	End	4610
Name	OJ990421_22.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	1418	End	2134
GI	none	Score	94
Exons	1418..1471, 1611..1694, 1618..1692, 1811..1888, 1812..1886, 1812..1898, 1813..1899, 1813..1899, 1953..2078, 1955..2134, 1997..2119		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16017	Strand	+
Start	2610	End	4046
Name	OJ990421_22.9A01.C6.o2.gs	Method	GENSCAN
Start	2610	End	4046
GI	none	Score	.54
Exons	2610..2631, 3952..4046		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16018	Strand	+
Start	6808	End	12783
Name	OJ990421_22.9A01.C6.o4.gs	Method	GENSCAN
Start	6808	End	12783
GI	none	Score	.5
Exons	6808..7210, 7261..7536, 7671..7842, 7957..7990, 8013..9249, 9702..10077, 10314..12783		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16019	Strand	-
Start	1	End	137
Name	OJ990421_22.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	137
GI	5777634	Score	173
Exons	1..137		
GI Descrip.	(AJ245900) CAA303722.1 protein [Oryza sativa]		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16019	Strand	-
Start	1	End	137
Name	OJ990421_22.9A01.C6.o1.gs	Method	GENSCAN
Start	20	End	137
GI	none	Score	.69
Exons	20..137		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16020	Strand	-
Start	5111	End	5770
Name	OJ990421_22.9A01.C6.o3.gs	Method	GENSCAN
Start	5111	End	5770
GI	none	Score	.48
Exons	5111..5497, 5717..5770		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	10564	End	10929
GI	none	Score	143

Exons 10564..10788, 10575..10754, 10795..10929

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	10725	End	11130
GI	none	Score	80
Exons	10725..10772, 10726..10782, 10777..11130, 10785..11087, 10789..11127, 10793..11128		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	10780	End	10998
GI	none	Score	285
Exons	10780..10998, 10780..10956, 10785..10997		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	10999	End	11460
GI	none	Score	564
Exons	10999..11460, 10999..11388, 11334..11459		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	11131	End	11529
GI	none	Score	199
Exons	11131..11466, 11148..11258, 11446..11529		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	11146	End	11616
GI	none	Score	222
Exons	11146..11427, 11184..11258, 11428..11616, 11472..11603		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	11766	End	12179
GI	none	Score	143
Exons	11766..11918, 11767..11904, 11925..12008, 11926..12177, 12041..12076, 12057..12179		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	11812	End	12210

GI	none	Score	70
Exons	11812..11895, 11941..12210, 11952..12092		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	12496	End	12774
GI	none	Score	186
Exons	12496..12774		

Seq. No.	7587	Seq. ID	OJ990421_22.9A01.C6
Gene No.	16021	Strand	-
Start	12887	End	15549
Name	OJ990421_22.9A01.C6.o5.gs	Method	GENSCAN
Start	12887	End	15549
GI	none	Score	.69
Exons	12887..12901, 12932..13354, 13436..14864, 14983..15122, 15449..15549		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	2005
GI	4467134	Score	236
Exons	1..94, 188..261, 1765..2005		
GI Descrip.	(AL035540) protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1910
GI	none	Score	126
Exons	2..91, 3..95, 7..117, 9..92, 185..259, 186..260, 187..267, 196..267, 1696..1728, 1750..1908, 1763..1909, 1764..1910, 1764..1910		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	2	End	266
GI	none	Score	64
Exons	2..85, 5..94, 6..95, 6..95, 177..260, 188..259, 189..266, 190..261		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.gs	Method	GENSCAN
Start	180	End	373
GI	none	Score	.83
Exons	180..261, 309..373		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
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Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	186	End	1943
GI	none	Score	75
Exons	186..260, 1763..1927, 1764..1943, 1770..1928		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	1748	End	1942
GI	none	Score	157
Exons	1748..1924, 1750..1938, 1763..1942, 1764..1934		

Seq. No.	7588	Seq. ID	OJ990421_22.9A01.C8
Gene No.	16022	Strand	+
Start	1	End	2005
Name	OJ990421_22.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1778	End	1943
GI	none	Score	201
Exons	1778..1927, 1779..1943		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	589
GI	6598802	Score	226
Exons	1..147, 257..310, 440..589		
GI Descrip.	(AF024504) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	16	End	538
GI	none	Score	117
Exons	16..141, 21..146, 64..150, 66..149, 253..306, 257..307, 273..311, 274..318, 439..537, 440..538		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	16	End	577
GI	none	Score	136
Exons	16..141, 64..150, 78..149, 257..307, 259..306, 260..307, 274..318, 439..567, 440..577		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o1.gs	Method	GENSCAN
Start	67	End	11375
GI	none	Score	.45
Exons	67..147, 257..307, 440..580, 1589..1789, 1866..1942, 2430..2468,		

2595..2688, 2773..2853, 2976..3044, 3719..5740, 5811..5893,
6057..6078, 6430..6697, 6781..6868, 8564..8714, 10569..10611,
11308..11375

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	1577	End	2295
GI	none	Score	79
Exons	1577..1687, 1584..1685, 1613..1801, 1621..1788, 1863..1919, 1865..1921, 1865..1921, 1922..1984, 1924..1983, 2239..2295, 2241..2294		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o3.tc	Method	TBLASTX:Cress
Start	1922	End	2832
GI	none	Score	77
Exons	1922..1984, 2239..2301, 2398..2469, 2587..2682, 2770..2832		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o2.np	Method	AAT/NAP
Start	2288	End	5820
GI	6358764	Score	929
Exons	2288..2332, 3787..4044, 4252..5820		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o4.tm	Method	TBLASTX:Maize
Start	2799	End	3183
GI	none	Score	80
Exons	2799..2849, 2800..2856, 2924..3043, 2929..3042, 3099..3182, 3121..3183		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	3770	End	5062
GI	none	Score	156
Exons	3770..4039, 3779..4039, 3802..3990, 3850..4038, 3911..4093, 3932..4069, 4100..4444, 4109..4348, 4121..4435, 4141..4311, 4463..4960, 4469..4645, 4721..4966, 4771..4941, 4847..5020, 4943..5062		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	3770	End	5095
GI	none	Score	175

Exons 3770..4096, 4010..4096, 4100..4363, 4358..4438, 4478..4738, 4619..5095, 4687..5094

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o1.tm Method TBLASTX:Maize
Start 3770 End 5410
GI none Score 181
Exons 3770..4096, 3779..4072, 3788..4039, 3883..4059, 3902..4015, 4100..4198, 4100..4456, 4115..4336, 4138..4314, 4138..4299, 4154..4303, 4191..4238, 4220..4339, 4253..4342, 4358..4444, 4391..4435, 4478..4741, 4489..4644, 4490..4642, 4490..4660, 4701..4742, 4731..4826, 4790..5410, 4798..4941, 4870..4914, 5008..5220

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o2.ts Method TBLASTX:Soybean
Start 3779 End 4954
GI none Score 197
Exons 3779..4087, 3877..4086, 4016..4096, 4115..4342, 4174..4311, 4355..4438, 4472..4696, 4658..4954, 4687..4941

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o1.ts Method TBLASTX:Soybean
Start 4955 End 5440
GI none Score 344
Exons 4955..5440

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o2.tc Method TBLASTX:Cress
Start 5261 End 5823
GI none Score 126
Exons 5261..5431, 5516..5626, 5666..5734, 5666..5713, 5764..5823, 5764..5823

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o5.tm Method TBLASTX:Maize
Start 5519 End 5823
GI none Score 80
Exons 5519..5626, 5672..5734, 5674..5709, 5761..5823, 5764..5823

Seq. No. 7589 Seq. ID OJ990421_22.9A01.C9
Gene No. 16023 Strand +
Start 1 End 11375
Name OJ990421_22.9A01.C9.o1.gp Method AAT/GAP
Start 6502 End 8400
GI LIB3434-008-P1-K1-E6 Score 794
Exons 6502..6697, 6781..6868, 8147..8400

GI Descrip. '3880399/emb|CAA95853.1| 9.0e-11 (271267) predicted using Genefinder; cDNA EST yk275h2.3 comes from this gene; cDNA EST yk309g11.3 comes from this gene; cDNA EST yk309g11.5 comes from this gene; cDNA EST yk275h2.5 comes from this gene [Caenorhabditis elegans]'

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o6.tm	Method	TBLASTX:Maize
Start	6639	End	8284
GI	none	Score	79
Exons	6639..6695, 6640..6696, 6645..6698, 6779..6832, 6780..6833, 6821..6871, 6833..6856, 8145..8222, 8146..8283, 8147..8284, 8147..8284		

Seq. No.	7589	Seq. ID	OJ990421_22.9A01.C9
Gene No.	16023	Strand	+
Start	1	End	11375
Name	OJ990421_22.9A01.C9.o3.np	Method	AAT/NAP
Start	8818	End	10683
GI	5852093	Score	64
Exons	8818..8943, 10656..10683		

GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16024	Strand	+
Start	4571	End	12835
Name	OJ990421_22.9A01.C10.o2.gs	Method	GENSCAN
Start	4571	End	12046
GI	none	Score	.87
Exons	4571..4645, 6987..7073, 7534..7620, 7709..7834, 8535..10508, 10586..10732, 11293..11810, 11929..12046		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16024	Strand	+
Start	4571	End	12835
Name	OJ990421_22.9A01.C10.o1.np	Method	AAT/NAP
Start	6917	End	12835
GI	2829910	Score	2552
Exons	6917..7073, 7374..7463, 7534..7620, 7709..7859, 8543..10732, 11293..11365, 11396..11810, 11929..12047, 12804..12835		

GI Descrip. (AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16025	Strand	+
Start	15382	End	15651
Name	OJ990421_22.9A01.C10.o4.gs	Method	GENSCAN
Start	15382	End	15651
GI	none	Score	.8
Exons	15382..15651		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16026	Strand	+
Start	24673	End	39388
Name	OJ990421_22.9A01.C10.o2.np	Method	AAT/NAP

Start	24673	End	39385
GI	1707642	Score	2089
Exons	24673..24823, 36198..38401, 38871..39385		
GI Descrip.	(Y07748) TMK [Oryza sativa]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16026	Strand	+
Start	24673	End	39388
Name	OJ990421_22.9A01.C10.o6.gs	Method	GENSCAN
Start	27533	End	39388
GI	none	Score	.71
Exons	27533..27540, 30867..31029, 32920..32988, 34654..34693, 36143..38401, 38871..39388		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16026	Strand	+
Start	24673	End	39388
Name	OJ990421_22.9A01.C10.o3.gp	Method	AAT/GAP
Start	35954	End	36346
GI	uC-osflcyp157b11b1	Score	705
Exons	35954..36346		
GI Descrip.	'5262765/emb CAB45913.1 8.0e-13 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16026	Strand	+
Start	24673	End	39388
Name	OJ990421_22.9A01.C10.o4.gp	Method	AAT/GAP
Start	36738	End	37314
GI	43640_1.R1084	Score	1150
Exons	36738..37314		
GI Descrip.	'1174718/sp P43298 TMK1_ARATH 3.0e-38 PUTATIVE RECEPTOR PROTEIN KINASE TMK1 PRECURSOR >gi_322579_pir_JQ1674 receptor protein kinase TMK1 (EC 2.7.1.-) precursor - Arabidopsis thaliana >gi_166888 (L00670) protein kinase [Arabidopsis thaliana]'		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16027	Strand	+
Start	41320	End	41728
Name	OJ990421_22.9A01.C10.o6.gp	Method	AAT/GAP
Start	41320	End	41728
GI	none	Score	814
Exons	41320..41728		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o8.gs	Method	GENSCAN
Start	46531	End	57265
GI	none	Score	.69
Exons	46531..46782, 47014..47125, 47130..47281, 47437..47822, 48348..48423, 48732..48971, 49585..49675, 50133..50217, 51657..51894, 52034..52129, 52900..53020, 53187..53345, 53372..53422, 53892..54007, 54076..54288, 55000..55118, 55482..55682, 55784..55883, 56006..56115, 56215..56361, 57157..57265		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o9.gp	Method	AAT/GAP
Start	47025	End	47362
GI	none	Score	654
Exons	47025..47362		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o10.gp	Method	AAT/GAP
Start	47472	End	47942
GI	3762480	Score	815
Exons	47472..47942		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o4.np	Method	AAT/NAP
Start	51160	End	57283
GI	6730754	Score	526
Exons	51160..51181, 53362..53422, 53869..54007, 54076..54288, 54913..55152, 55470..55682, 55781..55883, 56006..56048, 56076..56115, 56215..56361, 57157..57283		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o11.gp	Method	AAT/GAP
Start	54247	End	55861
GI	18293_1.R1084	Score	986
Exons	54247..54288, 54913..55118, 55482..55682, 55784..55861		
GI Descrip.	'100226/pir S21495 8.0e-25 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]'		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16028	Strand	+
Start	46531	End	57549
Name	OJ990421_22.9A01.C10.o12.gp	Method	AAT/GAP
Start	56238	End	57549
GI	17603_1.R1084	Score	956
Exons	56238..56361, 57157..57549		
GI Descrip.	'4587550/gb AAD25781.1 AC006577_17 5.0e-12 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16029	Strand	+
Start	58866	End	63060
Name	OJ990421_22.9A01.C10.o9.gs	Method	GENSCAN
Start	58866	End	63060
GI	none	Score	.6
Exons	58866..59036, 59118..59213, 60155..60363, 60463..60579, 60793..60931, 61383..61588, 61695..61895, 61965..62064,		

62125..62273, 62372..62518, 62913..63060

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16029	Strand	+
Start	58866	End	63060
Name	OJ990421_22.9A01.C10.o7.np	Method	AAT/NAP
Start	60790	End	62749
GI	4587550	Score	284
Exons	60790..60931, 61013..61225, 61383..61588, 61649..61899, 61966..62064, 62153..62232, 62370..62518, 62626..62749		
GI Descrip.	(AC006577) EST gb R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16029	Strand	+
Start	58866	End	63060
Name	OJ990421_22.9A01.C10.o6.np	Method	AAT/NAP
Start	60795	End	62752
GI	6730754	Score	291
Exons	60795..60931, 61013..61225, 61383..61588, 61649..61899, 61966..62064, 62153..62232, 62370..62518, 62626..62752		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16029	Strand	+
Start	58866	End	63060
Name	OJ990421_22.9A01.C10.o13.gp	Method	AAT/GAP
Start	62372	End	62540
GI	286510	Score	262
Exons	62372..62540		
GI Descrip.	5262765/emb CAB45913.1 8.0e-13 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16030	Strand	-
Start	511	End	1442
Name	OJ990421_22.9A01.C10.o1.gs	Method	GENSCAN
Start	511	End	1442
GI	none	Score	.65
Exons	511..645, 1218..1442		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16031	Strand	-
Start	13022	End	13429
Name	OJ990421_22.9A01.C10.o3.gs	Method	GENSCAN
Start	13022	End	13429
GI	none	Score	.59
Exons	13022..13429		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16032	Strand	-
Start	39282	End	39734
Name	OJ990421_22.9A01.C10.o5.gp	Method	AAT/GAP
Start	39282	End	39734
GI	none	Score	882
Exons	39282..39734		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o9.ts	Method	TBLASTX:Soybean
Start	7014	End	8903
GI	none	Score	96
Exons	7014..7073, 7016..7075, 7373..7462, 7375..7461, 7536..7619, 7537..7623, 7708..7773, 7709..7783, 7709..7777, 8661..8702, 8687..8734, 8687..8755, 8750..8803, 8751..8804, 8820..8903		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o14.tm	Method	TBLASTX:Maize
Start	8587	End	8756
GI	none	Score	134
Exons	8587..8694, 8588..8695, 8589..8693, 8590..8694, 8689..8745, 8690..8740, 8691..8756		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	8841	End	9923
GI	none	Score	747
Exons	8841..9434, 8847..9341, 9062..9433, 9236..9427, 9449..9484, 9450..9647, 9450..9584, 9732..9917, 9732..9797, 9738..9923, 9770..9913		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o2.tc	Method	TBLASTX:Cress
Start	8865	End	9917
GI	none	Score	61
Exons	8865..9002, 8904..9005, 8958..9143, 9060..9143, 9186..9326, 9234..9266, 9255..9422, 9378..9464, 9407..9433, 9444..9686, 9449..9691, 9450..9662, 9450..9509, 9453..9821, 9727..9810, 9732..9821, 9753..9917		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	8904	End	9956
GI	none	Score	146
Exons	8904..9101, 8913..9002, 8958..9131, 9057..9143, 9186..9422, 9276..9428, 9450..9584, 9458..9691, 9459..9956, 9468..9899, 9640..9954, 9758..9955, 9770..9910		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o12.tm	Method	TBLASTX:Maize
Start	9924	End	10082
GI	none	Score	253
Exons	9924..10082, 9926..10081		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o5.ts	Method	TBLASTX:Soybean
Start	9957	End	10195
GI	none	Score	334
Exons	9957..10193, 9959..10195, 9970..10194		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o7.tm	Method	TBLASTX:Maize
Start	10082	End	10360
GI	none	Score	356
Exons	10082..10360, 10083..10355		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o9.tm	Method	TBLASTX:Maize
Start	11695	End	12031
GI	none	Score	176
Exons	11695..11823, 11697..11810, 11915..12031, 11926..12030		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o6.ts	Method	TBLASTX:Soybean
Start	11703	End	12022
GI	none	Score	161
Exons	11703..11822, 11704..11823, 11915..12022, 11926..12018		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o3.tc	Method	TBLASTX:Cress
Start	23678	End	23954
GI	none	Score	137
Exons	23678..23779, 23679..23780, 23795..23929, 23799..23954		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o4.ts	Method	TBLASTX:Soybean
Start	23678	End	24872
GI	none	Score	146
Exons	23678..23779, 23679..23786, 23688..23783, 23792..23929, 23793..23951, 24126..24197, 24201..24449, 24507..24758, 24593..24754, 24825..24872		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o4.tw	Method	TBLASTX:Wheat
Start	23679	End	23891
GI	none	Score	153

Exons 23679..23780, 23685..23780, 23793..23813, 23825..23890,
23826..23891

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	36115	End	39393
GI	none	Score	41
Exons	36115..36198, 36202..36237, 36259..36336, 36396..36545, 36409..36534, 36556..36651, 36571..36711, 36586..36762, 36601..36711, 36664..36759, 36772..36864, 36772..36933, 36880..37017, 36880..37011, 37068..37430, 37072..37431, 37201..37320, 37264..37437, 37633..37737, 37768..38424, 37803..38219, 38029..38397, 38250..38432, 38866..38943, 38867..39280, 39049..39234, 39284..39388, 39334..39393		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o13.tm	Method	TBLASTX:Maize
Start	36117	End	36522
GI	none	Score	63
Exons	36117..36134, 36154..36216, 36256..36339, 36264..36338, 36396..36497, 36409..36477, 36478..36522		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o7.ts	Method	TBLASTX:Soybean
Start	36522	End	36846
GI	none	Score	238
Exons	36522..36791, 36523..36765, 36772..36846		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	36559	End	37392
GI	none	Score	82
Exons	36559..36696, 36562..36714, 36765..37376, 36772..37377, 37249..37392, 37282..37392		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	36847	End	39400
GI	none	Score	96
Exons	36847..37014, 37231..37494, 37581..37613, 37633..38340, 37777..37974, 37803..38339, 38340..38399, 38347..38400, 38866..38949, 38867..38974, 38972..39280, 38972..39277, 38989..39279, 39278..39400, 39311..39388, 39334..39393		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775

Name	OJ990421_22.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	37693	End	38271
GI	none	Score	649
Exons	37693..38271, 37738..37980, 37812..38270		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	38106	End	38965
GI	none	Score	285
Exons	38106..38399, 38107..38400, 38109..38399, 38866..38964, 38867..38965, 38870..38965		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o6.tm	Method	TBLASTX:Maize
Start	38857	End	39250
GI	none	Score	105
Exons	38857..38952, 38867..38974, 38867..38974, 38972..39067, 39063..39161, 39067..39162, 39068..39163, 39081..39164, 39148..39237, 39164..39250, 39176..39250		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	38975	End	39340
GI	none	Score	503
Exons	38975..39313, 38975..39313, 39305..39340		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o7.gs	Method	GENSCAN
Start	40507	End	44771
GI	none	Score	.76
Exons	40507..40595, 41029..41179, 42246..42360, 42744..42778, 44215..44307, 44389..44439, 44733..44771		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o7.gp	Method	AAT/GAP
Start	41881	End	42105
GI	3762689	Score	395
Exons	41881..42105		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o10.tm	Method	TBLASTX:Maize
Start	42091	End	44628
GI	none	Score	116
Exons	42091..42171, 42095..42178, 42096..42179, 42219..42359, 42245..42361, 42246..42362, 42247..42366, 43932..43973,		

43939..43974, 43941..43979, 43974..44042, 43974..44036,
 43975..44052, 43975..44040, 44202..44309, 44203..44310,
 44203..44313, 44216..44341, 44387..44440, 44389..44442,
 44390..44440, 44529..44609, 44542..44628

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o5.tc	Method	TBLASTX:Cress
Start	42102	End	44609
GI	none	Score	59
Exons	42102..42179, 42113..42178, 42219..42338, 42250..42330, 42330..42359, 43926..43970, 43977..44039, 44200..44310, 44203..44313, 44216..44335, 44389..44448, 44390..44443, 44553..44609, 44554..44607		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o3.np	Method	AAT/NAP
Start	42110	End	45775
GI	1888557	Score	456
Exons	42110..42165, 42242..42360, 43942..44039, 44215..44307, 44389..44441, 44546..44649, 45689..45775		
GI Descrip.	(U89841) diadenosine 5',5'''-P1,P4-tetraphosphate hydrolase [Lupinus angustifolius]		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o8.gp	Method	AAT/GAP
Start	42126	End	44798
GI	9700_1.R1084	Score	1065
Exons	42126..42169, 42246..42360, 43942..44039, 44215..44307, 44389..44439; 44541..44798		
GI Descrip.	'2564253/emb CAB17083 2.0e-50 (Z99996) diadenosine 5'',5''''''-P1,P4-tetraphosphate hydrolase [Hordeum vulgare]'		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o8.ts	Method	TBLASTX:Soybean
Start	43947	End	44616
GI	none	Score	66
Exons	43947..43973, 43974..44039, 44202..44309, 44203..44310, 44203..44313, 44213..44338, 44388..44441, 44389..44442, 44389..44442, 44562..44609, 44563..44616		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16033	Strand	-
Start	40507	End	45775
Name	OJ990421_22.9A01.C10.o3.tw	Method	TBLASTX:Wheat
Start	43967	End	44768
GI	none	Score	72
Exons	43967..44041, 43974..44054, 43974..44036, 43975..44067, 43975..44040, 44203..44313, 44216..44341, 44373..44441, 44382..44444, 44383..44445, 44529..44609, 44542..44643,		

44748..44768

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o11.tm	Method	TBLASTX:Maize
Start	46740	End	60358
GI	none	Score	65
Exons	46740..46856, 51768..51896, 51769..51897, 52031..52129, 52031..52129, 52033..52131, 52033..52134, 52849..53103, 52897..53103, 52898..53104, 60182..60358		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o8.tm	Method	TBLASTX:Maize
Start	47189	End	47947
GI	none	Score	90
Exons	47189..47248, 47197..47301, 47245..47406, 47246..47410, 47276..47410, 47521..47556, 47614..47688, 47704..47733, 47760..47837, 47761..47838, 47837..47890, 47837..47875, 47893..47946, 47918..47947		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o4.tc	Method	TBLASTX:Cress
Start	51769	End	60352
GI	none	Score	158
Exons	51769..51897, 51774..51890, 52031..52129, 52897..53094, 52897..53088, 53154..53249, 53161..53310, 60131..60352		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	53184	End	61589
GI	none	Score	82
Exons	53184..53279, 53184..53279, 53185..53307, 53283..53375, 53284..53373, 53284..53376, 53288..53374, 53371..53418, 53376..53420, 53378..53422, 53380..53427, 53861..54007, 53866..54021, 53871..54002, 53872..54009, 53912..54016, 54060..54230, 54076..54306, 54076..54303, 54912..55118, 54913..55119, 55473..55568, 55483..55527, 55521..55589, 55522..55587, 60599..60652, 60656..60694, 60788..60943, 60788..60955, 61012..61218, 61013..61228, 61019..61228, 61383..61589, 61385..61588		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	53845	End	61234
GI	none	Score	85
Exons	53845..54012, 53864..54007, 53866..54012, 53912..54016, 54060..54230, 54076..54303, 54076..54288, 60785..60943, 60787..60939, 61012..61197, 61013..61231, 61022..61234		

Seq. No.	7590	Seq. ID	OJ990421_22.9A01.C10
Gene No.	16034	Strand	
Start	46740	End	62719
Name	OJ990421_22.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	55590	End	62719
GI	none	Score	156
Exons	55590..55682, 55591..55683, 55599..55691, 55781..55849, 55782..55841, 55840..55884, 55842..55886, 56004..56099, 56004..56096, 56005..56118, 56212..56361, 56213..56362, 56213..56362, 56214..56372, 57152..57265, 57157..57267, 57157..57264, 61803..61907, 61804..61899, 61957..62022, 61959..62021, 62022..62066, 62023..62067, 62150..62197, 62152..62196, 62369..62518, 62370..62519, 62626..62718, 62627..62719		

Seq. No.	7591	Seq. ID	OJ990421_22.9A01.C11
Gene No.	16035	Strand	+
Start	88	End	264
Name	OJ990421_22.9A01.C11.o1.gs	Method	GENSCAN
Start	88	End	264
GI	none	Score	.61
Exons	88..264		

Seq. No.	7592	Seq. ID	OJ990421_22.9A01.C13
Gene No.	16036	Strand	-
Start	301	End	540
Name	OJ990421_22.9A01.C13.o1.gs	Method	GENSCAN
Start	301	End	540
GI	none	Score	.91
Exons	301..540		

Seq. No.	7593	Seq. ID	OJ990421_22.9A01.C16
Gene No.	16037	Strand	-
Start	66	End	341
Name	OJ990421_22.9A01.C16.o1.gs	Method	GENSCAN
Start	66	End	341
GI	none	Score	.71
Exons	66..109, 293..341		

Seq. No.	7594	Seq. ID	OJ990421_22.9A01.C18
Gene No.	16038	Strand	-
Start	61	End	509
Name	OJ990421_22.9A01.C18.o1.gs	Method	GENSCAN
Start	61	End	509
GI	none	Score	.59
Exons	61..509		

Seq. No.	7595	Seq. ID	OJ990421_22.9A01.C19
Gene No.	16039	Strand	-
Start	1	End	707
Name	OJ990421_22.9A01.C19.o1.np	Method	AAT/NAP
Start	1	End	707
GI	6815072	Score	934
Exons	1..51, 92..707		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	7595	Seq. ID	OJ990421_22.9A01.C19
Gene No.	16039	Strand	-
Start	1	End	707
Name	OJ990421_22.9A01.C19.o1.gs	Method	GENSCAN
Start	92	End	410
GI	none	Score	.65
Exons	92..410		

Seq. No.	7595	Seq. ID	OJ990421_22.9A01.C19
Gene No.	16039	Strand	-
Start	1	End	707
Name	OJ990421_22.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	102	End	437
GI	none	Score	88
Exons	102..203, 216..437, 253..417		

Seq. No.	7595	Seq. ID	OJ990421_22.9A01.C19
Gene No.	16039	Strand	-
Start	1	End	707
Name	OJ990421_22.9A01.C19.o1.tw	Method	TBLASTX:Wheat
Start	123	End	509
GI	none	Score	53
Exons	123..203, 126..188, 216..452, 232..399, 444..509		

Seq. No.	7596	Seq. ID	OJ990421_22.9A01.C21
Gene No.	16040	Strand	+
Start	154	End	439
Name	OJ990421_22.9A01.C21.o1.gs	Method	GENSCAN
Start	154	End	439
GI	none	Score	.48
Exons	154..439		

Seq. No.	7597	Seq. ID	OJ990421_22.9A01.C22
Gene No.	16041	Strand	+
Start	73	End	248
Name	OJ990421_22.9A01.C22.o1.gs	Method	GENSCAN
Start	73	End	248
GI	none	Score	.68
Exons	73..248		

Seq. No.	7598	Seq. ID	OJ990421_22.9A01.C26
Gene No.	16042	Strand	-
Start	1	End	569
Name	OJ990421_22.9A01.C26.o1.np	Method	AAT/NAP
Start	1	End	269
GI	128620	Score	.119
Exons	1..37, 94..269		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi 66139 pir DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi 669087 emb CAA33910 (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi 226676 prf 1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	7598	Seq. ID	OJ990421_22.9A01.C26
Gene No.	16042	Strand	-
Start	1	End	569

Name	OJ990421_22.9A01.C26.ol.ts	Method	TBLASTX:Soybean
Start	131	End	569
GI	none	Score	38
Exons	131..178, 141..176, 142..183, 161..214, 167..214, 177..224, 210..383, 212..349, 304..363, 443..478, 479..514, 531..569		

Seq. No.	7599	Seq. ID	OJ990421_22.9A01.C29
Gene No.	16043	Strand	-
Start	7	End	259
Name	OJ990421_22.9A01.C29.ol.gs	Method	GENSCAN
Start	7	End	259
GI	none	Score	.55
Exons	7..259		

Seq. No.	7600	Seq. ID	OJ990421_22.9A01.C30
Gene No.	16044	Strand	+
Start	217	End	594
Name	OJ990421_22.9A01.C30.ol.gs	Method	GENSCAN
Start	217	End	594
GI	none	Score	.53
Exons	217..594		

Seq. No.	7601	Seq. ID	OJ990421_22.9A01.C32
Gene No.	16045	Strand	+
Start	255	End	733
Name	OJ990421_22.9A01.C32.ol.np	Method	AAT/NAP
Start	255	End	733
GI	4557062	Score	232
Exons	255..733		
GI Descrip.	(AC007045) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7601	Seq. ID	OJ990421_22.9A01.C32
Gene No.	16045	Strand	+
Start	255	End	733
Name	OJ990421_22.9A01.C32.ol.gp	Method	AAT/GAP
Start	428	End	733
GI	1631462	Score	535
Exons	428..733		

Seq. No.	7601	Seq. ID	OJ990421_22.9A01.C32
Gene No.	16046	Strand	-
Start	340	End	682
Name	OJ990421_22.9A01.C32.ol.tm	Method	TBLASTX:Maize
Start	1	End	329
GI	none	Score	78
Exons	1..51, 1..45, 124..189, 129..188, 260..328, 261..329		

Seq. No.	7601	Seq. ID	OJ990421_22.9A01.C32
Gene No.	16046	Strand	-
Start	340	End	682
Name	OJ990421_22.9A01.C32.ol.ts	Method	TBLASTX:Soybean
Start	255	End	616
GI	none	Score	75
Exons	255..326, 255..302, 347..436, 445..615, 446..616		

Seq. No.	7601	Seq. ID	OJ990421_22.9A01.C32
Gene No.	16046	Strand	-

Start	340	End	682
Name	OJ990421_22.9A01.C32.o1.gs	Method	GENSCAN
Start	340	End	682
GI	none	Score	.51
Exons	340..682		

Seq. No.	7602	Seq. ID	OJ990421_22.9A01.C35
Gene No.	16047	Strand	+
Start	245	End	790
Name	OJ990421_22.9A01.C35.o1.gs	Method	GENSCAN
Start	245	End	790
GI	none	Score	.42
Exons	245..410, 620..790		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o1.np	Method	AAT/NAP
Start	1	End	4319
GI	3367638	Score	1276
Exons	1..38, 1052..1140, 1361..1529, 1638..1799, 1894..2035, 2147..2371, 2502..2564, 2648..2722, 4062..4319		
GI Descrip.	(AJ000331) monogalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o1.gs	Method	GENSCAN
Start	828	End	4579
GI	none	Score	.82
Exons	828..1009, 1058..1140, 1370..1799, 1894..2035, 2147..2371, 2502..2564, 2648..2722, 4062..4271, 4316..4384, 4565..4579		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o2.tm	Method	TBLASTX:Maize
Start	1037	End	1794
GI	none	Score	136
Exons	1037..1192, 1354..1521, 1357..1491, 1588..1794, 1611..1793		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o1.tc	Method	TBLASTX:Cress
Start	1056	End	4346
GI	none	Score	72
Exons	1056..1139, 1356..1478, 1357..1491, 1357..1491, 1635..1796, 1639..1800, 1657..1800, 1865..2005, 1895..2035, 1903..2043, 2126..2374, 2144..2329, 2284..2373, 2499..2570, 2507..2569, 2645..2722, 2647..2724, 4050..4346, 4058..4303		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o1.ts	Method	TBLASTX:Soybean

Start	1738	End	2233
GI	none	Score	93
Exons	1738..1800, 1749..1796, 1895..2035, 1906..2073, 2123..2233, 2124..2192		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o1.tm	Method	TBLASTX:Maize
Start	1886	End	2380
GI	none	Score	238
Exons	1886..2035, 1894..2037, 1895..2035, 2144..2380, 2144..2374, 2287..2379		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o4.tm	Method	TBLASTX:Maize
Start	2499	End	2724
GI	none	Score	119
Exons	2499..2570, 2504..2569, 2645..2722, 2647..2724, 2647..2724		

Seq. No.	7603	Seq. ID	OJ990421_22.9A01.C39
Gene No.	16048	Strand	+
Start	1	End	4579
Name	OJ990421_22.9A01.C39.o3.tm	Method	TBLASTX:Maize
Start	4059	End	4324
GI	none	Score	154
Exons	4059..4172, 4059..4154, 4060..4197, 4063..4164, 4064..4171, 4155..4214, 4158..4211, 4169..4213, 4211..4249, 4212..4250, 4248..4286, 4250..4288, 4250..4285, 4289..4324		

Seq. No.	7604	Seq. ID	OJ990421_22.9A01.C40
Gene No.	16049	Strand	+
Start	60	End	388
Name	OJ990421_22.9A01.C40.o1.gs	Method	GENSCAN
Start	60	End	388
GI	none	Score	1
Exons	60..388		

Seq. No.	7604	Seq. ID	OJ990421_22.9A01.C40
Gene No.	16050	Strand	+
Start	499	End	2227
Name	OJ990421_22.9A01.C40.o2.gs	Method	GENSCAN
Start	499	End	2227
GI	none	Score	.87
Exons	499..1078, 1829..1903, 2163..2227		

Seq. No.	7605	Seq. ID	OJ990421_22.9A01.C41
Gene No.	16051	Strand	+
Start	516	End	1003
Name	OJ990421_22.9A01.C41.o1.gp	Method	AAT/GAP
Start	516	End	1003
GI	none	Score	968
Exons	516..1003		

Seq. No.	7605	Seq. ID	OJ990421_22.9A01.C41
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Gene No.	16052	Strand	-
Start	2310	End	2415
Name	OJ990421_22.9A01.C41.o2.gs	Method	GENSCAN
Start	2310	End	2415
GI	none	Score	.64
Exons	2310..2415		

Seq. No.	7606	Seq. ID	OJ990421_22.9A01.C43
Gene No.	16053	Strand	+
Start	1	End	563
Name	OJ990421_22.9A01.C43.o1.np	Method	AAT/NAP
Start	1	End	563
GI	6815072	Score	963
Exons	1..563		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	7606	Seq. ID	OJ990421_22.9A01.C43
Gene No.	16053	Strand	+
Start	1	End	563
Name	OJ990421_22.9A01.C43.o1.gs	Method	GENSCAN
Start	159	End	334
GI	none	Score	.51
Exons	159..334		

Seq. No.	7607	Seq. ID	OJ990421_22.9A01.C44
Gene No.	16054	Strand	+
Start	1	End	317
Name	OJ990421_22.9A01.C44.o1.np	Method	AAT/NAP
Start	1	End	317
GI	6815072	Score	495
Exons	1..317		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	7607	Seq. ID	OJ990421_22.9A01.C44
Gene No.	16055	Strand	+
Start	317	End	637
Name	OJ990421_22.9A01.C44.o1.ts	Method	TBLASTX:Soybean
Start	42	End	224
GI	none	Score	203
Exons	42..224, 44..223		

Seq. No.	7607	Seq. ID	OJ990421_22.9A01.C44
Gene No.	16055	Strand	+
Start	317	End	637
Name	OJ990421_22.9A01.C44.o1.gs	Method	GENSCAN
Start	317	End	637
GI	none	Score	.73
Exons	317..326, 494..637		

Seq. No.	7608	Seq. ID	OJ990421_22.9A01.C45
Gene No.	16056	Strand	+
Start	396	End	574
Name	OJ990421_22.9A01.C45.o1.gs	Method	GENSCAN
Start	396	End	574
GI	none	Score	.81

Exons 396..574

Seq. No.	7609	Seq. ID	OJ990421_22.9A01.C47
Gene No.	16057	Strand	-
Start	1	End	1205
Name	OJ990421_22.9A01.C47.o1.np	Method	AAT/NAP
Start	1	End	1205
GI	6907086	Score	862
Exons	1..382, 440..1205		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7609	Seq. ID	OJ990421_22.9A01.C47
Gene No.	16057	Strand	-
Start	1	End	1205
Name	OJ990421_22.9A01.C47.o1.gs	Method	GENSCAN
Start	468	End	914
GI	none	Score	.93
Exons	468..914		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16058	Strand	+
Start	1	End	2959
Name	OJ990331_10.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	2956
GI	6498441	Score	3959
Exons	1..193, 289..1012, 1184..2581, 2675..2956		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16058	Strand	+
Start	1	End	2959
Name	OJ990331_10.9A01.C5.o1.gs	Method	GENSCAN
Start	260	End	2959
GI	none	Score	.67
Exons	260..1663, 1742..2959		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16059	Strand	+
Start	16829	End	17208
Name	OJ990331_10.9A01.C5.o6.np	Method	AAT/NAP
Start	16121	End	17208
GI	6815053	Score	688
Exons	16121..16267, 16748..16922, 16972..17208		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16059	Strand	+
Start	16829	End	17208
Name	OJ990331_10.9A01.C5.o6.gs	Method	GENSCAN
Start	16829	End	17155
GI	none	Score	.58
Exons	16829..17155		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16060	Strand	+

Start	19897	End	22828
Name	OJ990331_10.9A01.C5.o2.gp	Method	AAT/GAP
Start	18884	End	18948
GI	2312838	Score	67
Exons	18884..18948		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16060	Strand	+
Start	19897	End	22828
Name	OJ990331_10.9A01.C5.o7.gs	Method	GENSCAN
Start	19897	End	22828
GI	none	Score	.93
Exons	19897..19931, 20052..20167, 20277..20435, 20514..20827, 21070..21204, 21383..21457, 21966..22243, 22319..22454, 22544..22655, 22737..22828		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16060	Strand	+
Start	19897	End	22828
Name	OJ990331_10.9A01.C5.o7.np	Method	AAT/NAP
Start	20125	End	22828
GI	2341034	Score	1117
Exons	20125..20167, 20277..20435, 20514..20689, 21966..22243, 22319..22454, 22544..22655, 22737..22828		
GI Descrip.	(AC000104) F19P19.13 [Arabidopsis thaliana]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16061	Strand	+
Start	23301	End	23571
Name	OJ990331_10.9A01.C5.o3.gp	Method	AAT/GAP
Start	23301	End	23571
GI	4715474	Score	499
Exons	23301..23571		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16062	Strand	+
Start	29839	End	34461
Name	OJ990331_10.9A01.C5.o10.gs	Method	GENSCAN
Start	29839	End	32576
GI	none	Score	.75
Exons	29839..30245, 30328..30455, 32083..32576		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16062	Strand	+
Start	29839	End	34461
Name	OJ990331_10.9A01.C5.o9.np	Method	AAT/NAP
Start	29986	End	34461
GI	5931643	Score	239
Exons	29986..30245, 30328..30432, 34393..34461		
GI Descrip.	(AJ011623) squamosa promoter binding protein-homologue 5 [Antirrhinum majus]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16062	Strand	+
Start	29839	End	34461

Name	OJ990331_10.9A01.C5.o10.np	Method	AAT/NAP
Start	32032	End	33457
GI	5852084	Score	80
Exons	32032..32072, 33373..33457		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16063	Strand	+
Start	52997	End	58449
Name	OJ990331_10.9A01.C5.o13.gs	Method	GENSCAN
Start	52997	End	58415
GI	none	Score	.9
Exons	52997..53069, 53204..53268, 53664..53753, 53842..53928, 54027..54086, 54196..54246, 54327..54422, 54707..54772, 55205..55422, 55651..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58415		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16063	Strand	+
Start	52997	End	58449
Name	OJ990331_10.9A01.C5.o13.np	Method	AAT/NAP
Start	52997	End	58412
GI	135535	Score	1914
Exons	52997..53069, 53204..53268, 53664..53753, 53842..53928, 54027..54086, 54196..54246, 54327..54422, 54707..54772, 55205..55422, 55651..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58412		
GI Descrip.	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi 322602 pir JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi 217871 dbj BAA01955 (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi 2326265 dbj BAA21772 (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16063	Strand	+
Start	52997	End	58449
Name	OJ990331_10.9A01.C5.o5.gp	Method	AAT/GAP
Start	55642	End	58449
GI	532_1.R1084	Score	1424
Exons	55642..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58449		
GI Descrip.	'287938/emb X54204 CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16064	Strand	+
Start	58408	End	58686
Name	OJ990331_10.9A01.C5.o6.gp	Method	AAT/GAP
Start	58408	End	58686
GI	6067_1.R1084	Score	521
Exons	58408..58686		
GI Descrip.	'287938/emb X54204 CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
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Gene No.	16065	Strand	+
Start	58897	End	59687
Name	OJ990331_10.9A01.C5.o14.gs	Method	GENSCAN
Start	58897	End	59687
GI	none	Score	.61
Exons	58897..59016, 59266..59582, 59600..59687		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16066	Strand	+
Start	60539	End	71641
Name	OJ990331_10.9A01.C5.o14.np	Method	AAT/NAP
Start	60513	End	71641
GI	6686395	Score	1082
Exons	60513..60701, 60795..60907, 61253..61446, 61699..61991, 70832..70944, 71021..71216, 71252..71641		
GI Descrip.	(AC007234) F1E22.6 [Arabidopsis thaliana]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16066	Strand	+
Start	60539	End	71641
Name	OJ990331_10.9A01.C5.o15.gs	Method	GENSCAN
Start	60539	End	62023
GI	none	Score	.98
Exons	60539..60701, 60795..60907, 61253..61446, 61699..62023		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16066	Strand	+
Start	60539	End	71641
Name	OJ990331_10.9A01.C5.o7.gp	Method	AAT/GAP
Start	70504	End	71100
GI	428816	Score	741
Exons	70504..70731, 70832..70944, 71021..71100		
GI Descrip.	2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16067	Strand	+
Start	76751	End	77430
Name	OJ990331_10.9A01.C5.o15.np	Method	AAT/NAP
Start	76751	End	77430
GI	4895243	Score	446
Exons	76751..77430		
GI Descrip.	(AC007659) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16068	Strand	+
Start	81136	End	82812
Name	OJ990331_10.9A01.C5.o19.gs	Method	GENSCAN
Start	81136	End	82812
GI	none	Score	.99
Exons	81136..82812		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16068	Strand	+
Start	81136	End	82812
Name	OJ990331_10.9A01.C5.o16.np	Method	AAT/NAP

Start	81154	End	82797
GI	1786142	Score	591
Exons	81154..81352, 81407..82128, 82267..82797		
GI Descrip.	(AB000455) PETHy;ZPT4-1 [Petunia x hybrida]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16069	Strand	-
Start	1445	End	7039
Name	OJ990331_10.9A01.C5.o2.np	Method	AAT/NAP
Start	1445	End	5210
GI	6907089	Score	2298
Exons	1445..1624, 3598..3849, 3950..5210		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16069	Strand	-
Start	1445	End	7039
Name	OJ990331_10.9A01.C5.o2.gs	Method	GENSCAN
Start	3581	End	5210
GI	none	Score	.92
Exons	3581..3849, 3950..4058, 4107..5014, 5081..5210		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16069	Strand	-
Start	1445	End	7039
Name	OJ990331_10.9A01.C5.o3.np	Method	AAT/NAP
Start	4294	End	7039
GI	5922623	Score	122
Exons	4294..4319, 6284..6438, 6955..7039		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16070	Strand	-
Start	7077	End	11008
Name	OJ990331_10.9A01.C5.o3.gs	Method	GENSCAN
Start	7077	End	10943
GI	none	Score	.59
Exons	7077..8601, 8794..8986, 9700..9796, 10037..10349, 10463..10712, 10817..10943		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16070	Strand	-
Start	7077	End	11008
Name	OJ990331_10.9A01.C5.o4.np	Method	AAT/NAP
Start	10016	End	10943
GI	3264596	Score	1100
Exons	10016..10381, 10463..10712, 10817..10943		
GI Descrip.	(AF057183) putative tonoplast aquaporin [Zea mays]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16070	Strand	-
Start	7077	End	11008
Name	OJ990331_10.9A01.C5.o1.gp	Method	AAT/GAP
Start	10344	End	11008
GI	LIB3434-057-P1-K1-A5	Score	879

Exons 10344..10381, 10463..10712, 10817..11008
 GI Descrip. '4895251/gb|AAD32836.1|AC007659_18 7.0e-33 (AC007659)
 hypothetical protein [Arabidopsis thaliana]'

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16071	Strand	-
Start	11662	End	13913
Name	OJ990331_10.9A01.C5.o4.gs	Method	GENSCAN
Start	11662	End	13913
GI	none	Score	.6
Exons	11662..11835, 12260..12367, 13863..13913		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16072	Strand	-
Start	14257	End	15215
Name	OJ990331_10.9A01.C5.o5.gs	Method	GENSCAN
Start	14257	End	15215
GI	none	Score	.61
Exons	14257..14353, 14402..14463, 14882..14983, 15042..15215		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16073	Strand	-
Start	19537	End	27150
Name	OJ990331_10.9A01.C5.o8.np	Method	AAT/NAP
Start	19537	End	26876
GI	2245020	Score	1359
Exons	19537..19579, 20507..20599, 23840..24041, 24257..24585, 24823..24925, 25050..25231, 25695..25884, 26130..26218, 26296..26372, 26840..26876		

GI Descrip. (Z97341) growth regulator like protein [Arabidopsis thaliana]

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16073	Strand	-
Start	19537	End	27150
Name	OJ990331_10.9A01.C5.o8.gs	Method	GENSCAN
Start	23359	End	27150
GI	none	Score	.75
Exons	23359..23481, 23939..24041, 24257..24349, 24482..24585, 24823..24925, 25050..25231, 25695..25884, 26130..26218, 26296..26372, 26558..26597, 26956..27150		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16073	Strand	-
Start	19537	End	27150
Name	OJ990331_10.9A01.C5.o4.gp	Method	AAT/GAP
Start	25060	End	26575
GI	4715473	Score	1089
Exons	25060..25231, 25695..25884, 26130..26218, 26296..26372, 26470..26575		

GI Descrip. 2245020/emb|CAB10440.1| 1.0e-40 (Z97341) growth regulator like
 protein [Arabidopsis thaliana]

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16074	Strand	-
Start	29082	End	29483
Name	OJ990331_10.9A01.C5.o9.gs	Method	GENSCAN
Start	29082	End	29483

GI	none	Score	.73
Exons	29082..29483		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16075	Strand	-
Start	33169	End	43012
Name	OJ990331_10.9A01.C5.o11.gs	Method	GENSCAN
Start	33169	End	43012
GI	none	Score	.4
Exons	33169..33188, 34090..34152, 42493..42764, 42915..43012		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16075	Strand	-
Start	33169	End	43012
Name	OJ990331_10.9A01.C5.o11.np	Method	AAT/NAP
Start	33445	End	36018
GI	4680204	Score	80
Exons	33445..33511, 35672..36018		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16076	Strand	-
Start	51119	End	52704
Name	OJ990331_10.9A01.C5.o12.np	Method	AAT/NAP
Start	51119	End	52704
GI	3193328	Score	476
Exons	51119..51224, 52025..52090, 52233..52704		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16077	Strand	-
Start	63259	End	65400
Name	OJ990331_10.9A01.C5.o16.gs	Method	GENSCAN
Start	63259	End	65400
GI	none	Score	.74
Exons	63259..63532, 64065..64184, 64805..64940, 65328..65400		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16078	Strand	-
Start	77931	End	79122
Name	OJ990331_10.9A01.C5.o18.gs	Method	GENSCAN
Start	77931	End	79122
GI	none	Score	.56
Exons	77931..78084, 78256..78438, 78959..79122		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o5.tw	Method	TBLASTX:Wheat
Start	147	End	421
GI	none	Score	110
Exons	147..233, 149..232, 215..421, 241..396		
Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o9.tm	Method	TBLASTX:Maize

Start	150	End	505
GI	none	Score	72
Exons	150..230, 221..403, 238..396, 422..505		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	857	End	1318
GI	none	Score	231
Exons	857..1108, 884..1135, 949..1134, 1113..1145, 1178..1318, 1180..1317		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o8.ts	Method	TBLASTX:Soybean
Start	1007	End	1573
GI	5666795	Score	63
Exons	1007..1105, 1181..1318, 1373..1573		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o9.tw	Method	TBLASTX:Wheat
Start	1321	End	1633
GI	none	Score	191
Exons	1321..1497, 1373..1633		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o5.tm	Method	TBLASTX:Maize
Start	1826	End	2149
GI	none	Score	368
Exons	1826..2149, 1855..2136		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	1963	End	2364
GI	none	Score	384
Exons	1963..2364, 1964..2344		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o8.tw	Method	TBLASTX:Wheat
Start	2369	End	2947
GI	none	Score	239
Exons	2369..2647, 2371..2628, 2393..2761, 2821..2943, 2822..2947		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772

Name	OJ990331_10.9A01.C5.o7.tm	Method	TBLASTX:Maize
Start	4559	End	30394
GI	none	Score	70
Exons	4559..4672, 30061..30246, 30108..30248, 30326..30394		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	9945	End	10944
GI	none	Score	97
Exons	9945..9995, 10022..10357, 10034..10270, 10101..10358, 10478..10708, 10486..10710, 10486..10710, 10809..10925, 10810..10944		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	10007	End	10950
GI	none	Score	100
Exons	10007..10360, 10008..10061, 10013..10270, 10101..10361, 10358..10396, 10484..10714, 10486..10713, 10809..10928, 10810..10944, 10855..10950, 10856..10945		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	10034	End	10965
GI	none	Score	129
Exons	10034..10360, 10055..10270, 10101..10361, 10358..10381, 10481..10708, 10486..10710, 10809..10928, 10810..10965		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	10061	End	76202
GI	none	Score	151
Exons	10061..10270, 10067..10381, 10101..10382, 10486..10686, 10486..10710, 10499..10699, 10812..10928, 10818..10928, 10819..10932, 16221..16325, 16374..16418, 16411..16449, 76077..76202		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o10.tm	Method	TBLASTX:Maize
Start	12097	End	12625
GI	none	Score	198
Exons	12097..12435, 12132..12416, 12491..12625		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o1.ts	Method	TBLASTX:Soybean

Start	20131	End	22825
GI	none	Score	54
Exons	20131..20169, 20251..20436, 20273..20437, 20512..20586, 20513..20587, 20587..20703, 20588..20692, 21956..22237, 21963..22244, 22320..22454, 22349..22450, 22540..22668, 22541..22657, 22736..22825		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o2.tc	Method	TBLASTX:Cress
Start	20131	End	22827
GI	none	Score	56
Exons	20131..20169, 20251..20436, 20271..20417, 20273..20437, 20382..20438, 20510..20692, 20512..20703, 20513..20692, 21956..22243, 21963..22244, 22329..22454, 22349..22450, 22541..22657, 22543..22668, 22735..22827, 22736..22825		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	20131	End	22825
GI	none	Score	53
Exons	20131..20169, 20251..20436, 20273..20437, 20512..20703, 20513..20692, 21956..22243, 21963..22244, 22320..22454, 22349..22450, 22541..22657, 22543..22692, 22736..22825		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	20131	End	22825
GI	none	Score	53
Exons	20131..20169, 20251..20436, 20273..20437, 20512..20703, 20513..20692, 21952..22047, 21953..22051, 21956..22243, 21963..22244, 22320..22454, 22349..22450, 22541..22657, 22543..22692, 22736..22825		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o5.ts	Method	TBLASTX:Soybean
Start	23843	End	26343
GI	none	Score	78
Exons	23843..24043, 23955..24047, 23990..24049, 24245..24373, 24255..24374, 24256..24381, 24257..24382, 24335..24589, 24383..24556, 24388..24564, 24826..24930, 25046..25261, 25698..25772, 25806..25886, 25807..25887, 26130..26219, 26135..26218, 26288..26341, 26293..26343		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o7.tc	Method	TBLASTX:Cress
Start	23843	End	24043
GI	none	Score	210

Exons 23843..24043

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o6.tm	Method	TBLASTX:Maize
Start	23897	End	24564
GI	none	Score	77
Exons	23897..24043, 23906..24046, 23928..24059, 24218..24361, 24248..24382, 24252..24368, 24253..24423, 24253..24381, 24379..24564, 24395..24562		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o6.tc	Method	TBLASTX:Cress
Start	24256	End	25156
GI	none	Score	91
Exons	24256..24357, 24379..24585, 24443..24583, 24841..24930, 25070..25156		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o8.tm	Method	TBLASTX:Maize
Start	26945	End	27105
GI	none	Score	199
Exons	26945..27076, 26950..27105		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o4.tc	Method	TBLASTX:Cress
Start	30106	End	30412
GI	none	Score	174
Exons	30106..30246, 30144..30242, 30325..30369, 30326..30412		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o6.ts	Method	TBLASTX:Soybean
Start	30106	End	30415
GI	none	Score	171
Exons	30106..30246, 30159..30242, 30326..30415		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o5.tc	Method	TBLASTX:Cress
Start	52232	End	52594
GI	none	Score	159
Exons	52232..52477, 52233..52457, 52454..52594		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o7.ts	Method	TBLASTX:Soybean

Start	52305	End	52594
GI	none	Score	150
Exons	52305..52493, 52307..52492, 52454..52594		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	52952	End	58421
GI	none	Score	113
Exons	52952..53068, 53002..53073, 53202..53267, 53203..53271, 53203..53271, 53654..53755, 53656..53754, 53670..53759, 53839..53916, 53840..53890, 53842..53928, 54024..54092, 54024..54086, 54029..54088, 54147..54248, 54174..54248, 54181..54255, 54190..54249, 54324..54425, 54324..54422, 54326..54424, 54707..54802, 54731..54772, 55199..55423, 55202..55420, 55204..55422, 55641..55745, 55648..55746, 55649..55747, 56150..56251, 56151..56252, 56153..56254, 56357..56581, 56449..56592, 56450..56623, 56672..56785, 56679..56786, 57275..57403, 57276..57407, 57307..57414, 57308..57415, 57480..57584, 57482..57586, 57489..57536, 57535..57585, 58147..58245, 58150..58257, 58154..58285, 58158..58286, 58326..58412, 58328..58420, 58329..58421		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o3.tc	Method	TBLASTX:Cress
Start	53002	End	58508
GI	none	Score	93
Exons	53002..53073, 53003..53068, 53203..53271, 53654..53755, 53656..53739, 53670..53759, 53836..53922, 53842..53928, 54024..54092, 54035..54088, 54190..54255, 54195..54248, 54324..54425, 54326..54424, 55197..55421, 55199..55423, 55202..55420, 55207..55422, 55648..55743, 55649..55747, 56151..56252, 56152..56328, 56157..56231, 56162..56251, 56446..56571, 56449..56586, 56450..56623, 56672..56785, 56679..56786, 56694..56798, 57273..57404, 57275..57406, 57308..57406, 57480..57584, 57482..57586, 58126..58257, 58154..58285, 58326..58508, 58331..58468		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o4.ts	Method	TBLASTX:Soybean
Start	53003	End	58415
GI	none	Score	100
Exons	53003..53068, 53014..53067, 53202..53267, 53203..53271, 53654..53755, 53670..53759, 53839..53910, 53842..53928, 54024..54092, 54035..54088, 54175..54246, 54190..54255, 54195..54248, 54324..54425, 54325..54423, 54326..54424, 54697..54735, 54731..54772, 55199..55423, 55207..55422, 55648..55737, 55649..55747, 56151..56252, 56157..56243, 56161..56250, 56162..56254, 56162..56251, 56449..56586, 56450..56587, 56672..56785, 56679..56786, 56694..56810, 56696..56803, 57281..57406, 57307..57405, 57307..57414, 57308..57415, 57480..57584, 57482..57586, 58126..58257,		

58150..58245, 58154..58285, 58326..58415, 58331..58411

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o7.tw	Method	TBLASTX:Wheat
Start	56507	End	57586
GI	none	Score	58
Exons	56507..56557, 56557..56592, 56558..56587, 56672..56785, 56679..56786, 56685..56786, 57273..57404, 57278..57406, 57307..57408, 57308..57406, 57480..57584, 57480..57533, 57482..57586, 57482..57586		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o8.tc	Method	TBLASTX:Cress
Start	60551	End	71092
GI	none	Score	88
Exons	60551..60703, 60610..60702, 60793..60909, 60794..60901, 61208..61324, 61331..61375, 70677..70733, 70827..70946, 70831..70947, 71018..71092, 71026..71091		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	60618	End	71641
GI	none	Score	75
Exons	60618..60650, 60646..60702, 60647..60703, 60788..60868, 60793..60909, 60794..60901, 61250..61447, 61255..61443, 61268..61456, 61380..61460, 61696..61839, 61700..61840, 61856..61900, 61889..61933, 61907..62020, 61915..62028, 61918..62016, 70673..70711, 70674..70733, 70827..70949, 70831..70947, 71018..71221, 71041..71220, 71333..71452, 71333..71434, 71335..71451, 71446..71637, 71447..71641		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	60640	End	71647
GI	none	Score	78
Exons	60640..60702, 60641..60703, 60793..60909, 60794..60901, 61247..61324, 61252..61323, 61349..61447, 61351..61422, 61696..61932, 61700..61966, 61930..62019, 61931..62020, 70677..70733, 70827..70946, 70831..70947, 71018..71092, 71026..71091, 71117..71215, 71215..71271, 71336..71512, 71341..71493, 71513..71554, 71527..71646, 71549..71647		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o6.tw	Method	TBLASTX:Wheat
Start	61348	End	71641
GI	none	Score	105
Exons	61348..61437, 61349..61447, 61349..61447, 61696..61818,		

61700..61843, 61823..62020, 61847..62026, 71117..71221,
 71119..71226, 71333..71452, 71345..71431, 71435..71509,
 71452..71508, 71522..71641, 71530..71592

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o9.tc	Method	TBLASTX:Cress
Start	76812	End	77312
GI	none	Score	56
Exons	76812..76895, 76974..77054, 77094..77312		

Seq. No.	7610	Seq. ID	OJ990331_10.9A01.C5
Gene No.	16079	Strand	-
Start	87397	End	87772
Name	OJ990331_10.9A01.C5.o20.gs	Method	GENSCAN
Start	87397	End	87772
GI	none	Score	.96
Exons	87397..87552, 87695..87772		

Seq. No.	7611	Seq. ID	OJ990331_10.9A01.C8
Gene No.	16080	Strand	-
Start	306	End	551
Name	OJ990331_10.9A01.C8.o1.gs	Method	GENSCAN
Start	306	End	551
GI	none	Score	.81
Exons	306..551		

Seq. No.	7612	Seq. ID	OJ990831_15.9A22.C1
Gene No.	16081	Strand	-
Start	92	End	429
Name	OJ990831_15.9A22.C1.o1.gs	Method	GENSCAN
Start	92	End	429
GI	none	Score	.97
Exons	92..429		

Seq. No.	7613	Seq. ID	OJ990831_15.9A22.C3
Gene No.	16082	Strand	+
Start	262	End	304
Name	OJ990831_15.9A22.C3.o1.gs	Method	GENSCAN
Start	262	End	304
GI	none	Score	.7
Exons	262..304		

Seq. No.	7614	Seq. ID	OJ990831_15.9A22.C5
Gene No.	16083	Strand	-
Start	1	End	822
Name	OJ990831_15.9A22.C5.o1.np	Method	AAT/NAP
Start	1	End	822
GI	6468008	Score	222
Exons	1..24, 487..587, 664..822		
GI Descrip.	(AF200972) sulfite oxidase [Arabidopsis thaliana]		

Seq. No.	7614	Seq. ID	OJ990831_15.9A22.C5
Gene No.	16083	Strand	-
Start	1	End	822
Name	OJ990831_15.9A22.C5.o1.tm	Method	TBLASTX:Maize

Start	484	End	738
GI	none	Score	92
Exons	484..555, 484..555, 485..562, 554..583, 555..587, 556..588, 657..737, 664..738, 664..738		

Seq. No.	7614	Seq. ID	OJ990831_15.9A22.C5
Gene No.	16083	Strand	-
Start	1	End	822
Name	OJ990831_15.9A22.C5.o1.gp	Method	AAT/GAP
Start	487	End	783
GI	31922_1.R1084	Score	356
Exons	487..587, 664..783		
GI Descrip.	'6091746/gb AAF03458.1 AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]'		

Seq. No.	7614	Seq. ID	OJ990831_15.9A22.C5
Gene No.	16083	Strand	-
Start	1	End	822
Name	OJ990831_15.9A22.C5.o1.ts	Method	TBLASTX:Soybean
Start	487	End	784
GI	none	Score	62
Exons	487..555, 488..562, 555..587, 556..588, 664..783, 701..784		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16084	Strand	+
Start	237	End	872
Name	OJ990831_15.9A22.C6.o1.gs	Method	GENSCAN
Start	237	End	872
GI	none	Score	.97
Exons	237..338, 804..872		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16085	Strand	-
Start	1	End	1013
Name	OJ990831_15.9A22.C6.o1.gp	Method	AAT/GAP
Start	1	End	511
GI	31922_1.R1084	Score	443
Exons	1..46, 136..172, 250..312, 396..511		
GI Descrip.	'6091746/gb AAF03458.1 AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]'		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16085	Strand	-
Start	1	End	1013
Name	OJ990831_15.9A22.C6.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6091746	Score	222
Exons	1..46, 136..172, 250..312, 396..515, 942..1013		
GI Descrip.	(AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi 6513940 gb AAF14844.1 AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana]		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16086	Strand	-
Start	1080	End	1283
Name	OJ990831_15.9A22.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	514

GI	none	Score	62
Exons	2..67, 3..47, 136..174, 143..169, 249..326, 389..514, 402..512, 427..513		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16086	Strand	-
Start	1080	End	1283
Name	OJ990831_15.9A22.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	514
GI	none	Score	47
Exons	2..67, 3..47, 137..172, 140..172, 252..320, 389..514, 408..512		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16086	Strand	-
Start	1080	End	1283
Name	OJ990831_15.9A22.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	518
GI	none	Score	87
Exons	2..73, 2..67, 136..171, 137..169, 241..315, 242..319, 249..314, 252..320, 393..467, 395..514, 396..518		

Seq. No.	7615	Seq. ID	OJ990831_15.9A22.C6
Gene No.	16086	Strand	-
Start	1080	End	1283
Name	OJ990831_15.9A22.C6.o2.gs	Method	GENSCAN
Start	1080	End	1283
GI	none	Score	.88
Exons	1080..1283		

Seq. No.	7616	Seq. ID	OJ990831_15.9A22.C7
Gene No.	16087	Strand	+
Start	135	End	242
Name	OJ990831_15.9A22.C7.o1.gs	Method	GENSCAN
Start	135	End	242
GI	none	Score	.71
Exons	135..242		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16088	Strand	+
Start	4528	End	5736
Name	OJ990831_15.9A22.C9.o2.gs	Method	GENSCAN
Start	4528	End	5736
GI	none	Score	1
Exons	4528..5736		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16088	Strand	+
Start	4528	End	5736
Name	OJ990831_15.9A22.C9.o2.np	Method	AAT/NAP
Start	4528	End	5733
GI	1196998	Score	2114
Exons	4528..5733		

GI Descrip. (J01829) unknown protein [Transposon Tn10]
gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10
[Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase
[Methylobacterium aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9
(AF162223) IS10-right transposase [Shigella flexneri]

gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4012.21
[Arabidopsis thaliana]

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16089	Strand	-
Start	1533	End	4252
Name	OJ990831_15.9A22.C9.o1.np	Method	AAT/NAP
Start	479	End	3121
GI	4406788	Score	625
Exons	479..547, 1539..2021, 2766..3121		
GI Descrip.	(AC006532) unknown protein [Arabidopsis thaliana]		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16089	Strand	-
Start	1533	End	4252
Name	OJ990831_15.9A22.C9.o1.gs	Method	GENSCAN
Start	1533	End	4252
GI	none	Score	.6
Exons	1533..2021, 2766..3137, 4106..4252		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o4.tm	Method	TBLASTX:Maize
Start	1579	End	1991
GI	none	Score	113
Exons	1579..1755, 1605..1760, 1857..1991		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o2.tw	Method	TBLASTX:Wheat
Start	2904	End	3132
GI	none	Score	98
Exons	2904..3023, 2904..3119, 2905..3132		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.ts	Method	TBLASTX:Soybean
Start	2928	End	3119
GI	none	Score	185
Exons	2928..3119		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o5.tm	Method	TBLASTX:Maize
Start	2949	End	3120
GI	none	Score	65
Exons	2949..3020, 2949..3110, 2950..3120		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.tc	Method	TBLASTX:Cress
Start	4420	End	4568

GI	none	Score	224
Exons	4420..4566, 4421..4567, 4422..4568		
Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.gs	Method	GENSCAN
Start	6733	End	13779
GI	none	Score	.78
Exons	6733..6761, 6949..6984, 7180..7511, 8741..8849, 9154..9256, 9460..9645, 9737..9830, 10262..10322, 11210..11270, 11383..11466, 11550..11744, 11870..11949, 12054..12150, 12717..12835, 12939..13008, 13732..13779		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o2.gp	Method	AAT/GAP
Start	8779	End	9626
GI	17201_1.R1084	Score	1206
Exons	8779..9286, 9377..9459, 9573..9626		
GI Descrip.	'4704662/gb AAD28199.1 AF116860_1 1.0e-36 (AF116860) uracil phosphoribosyltransferase 1 [Arabidopsis thaliana]'		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.tm	Method	TBLASTX:Maize
Start	9107	End	9597
GI	none	Score	118
Exons	9107..9184, 9167..9286, 9168..9287, 9377..9463, 9568..9597		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.np	Method	AAT/NAP
Start	9140	End	13974
GI	3953458	Score	1378
Exons	9140..9286, 9377..9459, 9573..9830, 10262..10322, 11210..11270, 11383..11466, 11550..11744, 11870..12150, 12717..12835, 12939..13008, 13732..13830, 13910..13974		
GI Descrip.	(AC002328) F2ON2.3 [Arabidopsis thaliana]		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o1.tc	Method	TBLASTX:Cress
Start	9146	End	9833
GI	none	Score	148
Exons	9146..9286, 9147..9287, 9377..9463, 9380..9463, 9568..9648, 9572..9634, 9734..9832, 9735..9833, 9738..9833		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o2.ts	Method	TBLASTX:Soybean
Start	9146	End	9418

GI	none	Score	146
Exons	9146..9286, 9147..9287, 9377..9418		
Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o1.tw	Method	TBLASTX:Wheat
Start	9219	End	9831
GI	none	Score	98
Exons	9219..9287, 9220..9288, 9221..9286, 9377..9463, 9378..9464, 9568..9648, 9569..9646, 9571..9648, 9729..9770, 9738..9791, 9739..9792, 9789..9830, 9790..9831		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o1.tm	Method	TBLASTX:Maize
Start	9600	End	12141
GI	none	Score	107
Exons	9600..9632, 9759..9833, 9760..9831, 9760..9837, 10254..10316, 10262..10324, 10264..10323, 11184..11270, 11208..11270, 11209..11271, 11363..11467, 11380..11469, 11380..11511, 11529..11744, 11530..11820, 11549..11746, 11864..11911, 11871..11951, 11872..11952, 11872..11943, 12034..12141, 12058..12141		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o1.ts	Method	TBLASTX:Soybean
Start	9604	End	13797
GI	none	Score	83
Exons	9604..9648, 9729..9836, 9734..9832, 9739..9837, 10262..10324, 10264..10323, 11184..11270, 11209..11271, 11363..11467, 11380..11511, 11529..11744, 11539..11838, 11570..11764, 11870..11911, 11871..11939, 12055..12159, 12055..12159, 12697..12849, 12714..12851, 12929..13009, 12934..13041, 13732..13797		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o3.gp	Method	AAT/GAP
Start	11361	End	12150
GI	uC-osrocyp002d06b1	Score	792
Exons	11361..11466, 11550..11744, 11870..11949, 12054..12150		
GI Descrip.	'3953458 4.0e-42 (AC002328) F20N2.3 [Arabidopsis thaliana]'		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o2.tc	Method	TBLASTX:Cress
Start	11437	End	11951
GI	none	Score	51
Exons	11437..11511, 11438..11467, 11529..11744, 11546..11659, 11546..11746, 11554..11751, 11870..11911, 11874..11951		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o2.tm	Method	TBLASTX:Maize
Start	12697	End	13936
GI	none	Score	171
Exons	12697..12849, 12714..12851, 12929..13009, 12934..13041, 13724..13798, 13732..13797, 13772..13813, 13913..13936		

Seq. No.	7617	Seq. ID	OJ990831_15.9A22.C9
Gene No.	16090	Strand	-
Start	6733	End	13974
Name	OJ990831_15.9A22.C9.o4.gp	Method	AAT/GAP
Start	12919	End	13974
GI	uC-osrocyp006f12b1	Score	381
Exons	12919..13008, 13732..13823, 13915..13974		
GI Descrip.	'3953458 8.0e-22 (AC002328) F20N2.3 [Arabidopsis thaliana]'		

Seq. No.	7618	Seq. ID	OJ990831_15.9A22.C10
Gene No.	16091	Strand	+
Start	4186	End	12175
Name	OJ990831_15.9A22.C10.o2.np	Method	AAT/NAP
Start	4186	End	10066
GI	4585908	Score	399
Exons	4186..4281, 5494..5541, 5649..5774, 8308..8448, 8694..8804, 8924..9037, 9523..9618, 9726..10066		
GI Descrip.	(AC006298) putative lysosomal acid lipase [Arabidopsis thaliana]		

Seq. No.	7618	Seq. ID	OJ990831_15.9A22.C10
Gene No.	16091	Strand	+
Start	4186	End	12175
Name	OJ990831_15.9A22.C10.o2.gs	Method	GENSCAN
Start	5350	End	12175
GI	none	Score	.52
Exons	5350..5586, 5649..5774, 8308..8448, 8694..8804, 8924..9067, 9193..9326, 9351..9430, 9523..9618, 9726..10024, 10564..10663, 10701..10803, 10980..11152, 12027..12175		

Seq. No.	7618	Seq. ID	OJ990831_15.9A22.C10
Gene No.	16092	Strand	-
Start	3858	End	3959
Name	OJ990831_15.9A22.C10.o1.np	Method	AAT/NAP
Start	3858	End	3959
GI	133404	Score	103
Exons	3858..3959		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE ALPHA CHAIN gi 66963 pir RNRZA DNA-directed RNA polymerase (EC 2.7.7.6) alpha chain - rice chloroplast gi 12018 emb CAA33979 (X15901) RNA polymerase alpha subunit [Oryza sativa] gi 226639 prf 1603356BN RNA polymerase alpha [Oryza sativa]		

Seq. No.	7618	Seq. ID	OJ990831_15.9A22.C10
Gene No.	16093	Strand	-
Start	5518	End	8747
Name	OJ990831_15.9A22.C10.o1.ts	Method	TBLASTX:Soybean
Start	5518	End	8747
GI	none	Score	45

Exons 5518..5544, 5646..5684, 5742..5786, 8307..8444, 8308..8448, 8685..8747

Seq. No.	7619	Seq. ID	OJ990831_15.9A22.C11
Gene No.	16094	Strand	+
Start	265	End	567
Name	OJ990831_15.9A22.C11.o1.gs	Method	GENSCAN
Start	265	End	567
GI	none	Score	.44
Exons	265..567		

Seq. No.	7620	Seq. ID	OJ990831_15.9A22.C12
Gene No.	16095	Strand	+
Start	3981	End	4140
Name	OJ990831_15.9A22.C12.o3.np	Method	AAT/NAP
Start	3981	End	4140
GI	5852172	Score	78
Exons	3981..4140		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	7620	Seq. ID	OJ990831_15.9A22.C12
Gene No.	16096	Strand	-
Start	536	End	6375
Name	OJ990831_15.9A22.C12.o1.gs	Method	GENSCAN
Start	536	End	6370
GI	none	Score	.51
Exons	536..592, 2441..2642, 2653..3254, 3370..3499, 4051..4091, 4112..4188, 5350..5427, 5915..6323, 6347..6370		

Seq. No.	7620	Seq. ID	OJ990831_15.9A22.C12
Gene No.	16096	Strand	-
Start	536	End	6375
Name	OJ990831_15.9A22.C12.o1.np	Method	AAT/NAP
Start	898	End	3249
GI	5295968	Score	267
Exons	898..1016, 1284..1311, 1449..1574, 2057..2137, 2223..2307, 2441..2621, 3138..3249		
GI Descrip.	(AB026295) ESTs C19441(E10423),C99201(E10423) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	7620	Seq. ID	OJ990831_15.9A22.C12
Gene No.	16096	Strand	-
Start	536	End	6375
Name	OJ990831_15.9A22.C12.o2.np	Method	AAT/NAP
Start	2336	End	6221
GI	5032119	Score	106
Exons	2336..2497, 2554..3227, 5958..6221		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi 3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	7620	Seq. ID	OJ990831_15.9A22.C12
Gene No.	16096	Strand	-
Start	536	End	6375
Name	OJ990831_15.9A22.C12.o4.np	Method	AAT/NAP
Start	5766	End	6375

GI	6721559	Score	201
Exons	5766..6375		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	7621	Seq. ID	OJ990831_15.9A22.C13
Gene No.	16097	Strand	+
Start	1	End	3266
Name	OJ990831_15.9A22.C13.ol.np	Method	AAT/NAP
Start	1	End	3266
GI	81286	Score	181
Exons	1..115, 2346..2450, 2613..2677, 2813..3266		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	7621	Seq. ID	OJ990831_15.9A22.C13
Gene No.	16098	Strand	-
Start	55	End	158
Name	OJ990831_15.9A22.C13.ol.gs	Method	GENSCAN
Start	55	End	158
GI	none	Score	.97
Exons	55..158		

Seq. No.	7622	Seq. ID	OJ990831_15.9A22.C14
Gene No.	16099	Strand	-
Start	63	End	281
Name	OJ990831_15.9A22.C14.ol.gp	Method	AAT/GAP
Start	63	End	281
GI	2311471	Score	373
Exons	63..281		

Seq. No.	7622	Seq. ID	OJ990831_15.9A22.C14
Gene No.	16099	Strand	-
Start	63	End	281
Name	OJ990831_15.9A22.C14.ol.gs	Method	GENSCAN
Start	63	End	271
GI	none	Score	.5
Exons	63..271		

Seq. No.	7623	Seq. ID	OJ990831_15.9A22.C15
Gene No.	16100	Strand	-
Start	289	End	657
Name	OJ990831_15.9A22.C15.ol.gs	Method	GENSCAN
Start	289	End	657
GI	none	Score	.52
Exons	289..393, 544..657		

Seq. No.	7624	Seq. ID	OJ990831_15.9A22.C16
Gene No.	16101	Strand	+
Start	42	End	1738
Name	OJ990831_15.9A22.C16.ol.gs	Method	GENSCAN
Start	42	End	1738
GI	none	Score	.74
Exons	42..146, 1509..1738		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
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Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	100226	Score	563
Exons	1..1109		
GI Descrip.	hypothetical protein - tomato gi 19275 emb CAA78112 (Z12127) protein of unknown function [Lycopersicon esculentum] gi 445619 prf 1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	769
GI	none	Score	295
Exons	1..423, 2..421, 497..634, 653..769		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.ts	Method	TBLASTX:Soybean
Start	50	End	610
GI	none	Score	112
Exons	50..211, 52..186, 218..421, 232..366, 497..610		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.gs	Method	GENSCAN
Start	162	End	1098
GI	none	Score	.54
Exons	162..1098		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.tc	Method	TBLASTX:Cress
Start	182	End	955
GI	none	Score	98
Exons	182..421, 497..625, 653..775, 824..955, 824..925		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o1.tw	Method	TBLASTX:Wheat
Start	515	End	913
GI	none	Score	99
Exons	515..634, 653..769, 812..913		

Seq. No.	7625	Seq. ID	OJ990831_15.9A22.C17
Gene No.	16102	Strand	+
Start	1	End	1109
Name	OJ990831_15.9A22.C17.o2.ts	Method	TBLASTX:Soybean
Start	833	End	1081
GI	none	Score	169

Exons 833..982, 833..955, 868..957, 1022..1081

Seq. No.	7626	Seq. ID	OJ990831_15.9A22.C18
Gene No.	16103	Strand	+
Start	118	End	168
Name	OJ990831_15.9A22.C18.o1.gs	Method	GENSCAN
Start	118	End	168
GI	none	Score	.86
Exons	118..168		

Seq. No.	7627	Seq. ID	OJ990831_15.9A22.C19
Gene No.	16104	Strand	+
Start	1676	End	2145
Name	OJ990831_15.9A22.C19.o1.gs	Method	GENSCAN
Start	1676	End	2141
GI	none	Score	.85
Exons	1676..1879, 1971..2141		

Seq. No.	7627	Seq. ID	OJ990831_15.9A22.C19
Gene No.	16104	Strand	+
Start	1676	End	2145
Name	OJ990831_15.9A22.C19.o1.tm	Method	TBLASTX:Maize
Start	1711	End	2145
GI	none	Score	251
Exons	1711..1782, 1712..1882, 1739..1792, 1963..2031, 1971..2090, 1973..2143, 2016..2141, 2122..2145		

Seq. No.	7627	Seq. ID	OJ990831_15.9A22.C19
Gene No.	16104	Strand	+
Start	1676	End	2145
Name	OJ990831_15.9A22.C19.o1.ts	Method	TBLASTX:Soybean
Start	1727	End	1882
GI	none	Score	190
Exons	1727..1882		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16105	Strand	+
Start	210	End	768
Name	OJ990831_15.9A22.C20.o1.gs	Method	GENSCAN
Start	210	End	450
GI	none	Score	.96
Exons	210..329, 409..450		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16105	Strand	+
Start	210	End	768
Name	OJ990831_15.9A22.C20.o1.gp	Method	AAT/GAP
Start	224	End	768
GI	4716063	Score	864
Exons	224..329, 409..768		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16106	Strand	-
Start	1053	End	1353
Name	OJ990831_15.9A22.C20.o2.gp	Method	AAT/GAP
Start	790	End	1353
GI	31922_1.R1084	Score	821

Exons 790..1181, 1283..1353
 GI Descrip. '6091746/gb|AAF03458.1|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]'

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16106	Strand	-
Start	1053	End	1353
Name	OJ990831_15.9A22.C20.o1.tm	Method	TBLASTX:Maize
Start	1050	End	1352
GI	none	Score	140
Exons	1050..1190, 1065..1181, 1280..1351, 1281..1352		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16106	Strand	-
Start	1053	End	1353
Name	OJ990831_15.9A22.C20.o2.gs	Method	GENSCAN
Start	1053	End	1181
GI	none	Score	.98
Exons	1053..1181		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16106	Strand	-
Start	1053	End	1353
Name	OJ990831_15.9A22.C20.o1.np	Method	AAT/NAP
Start	1056	End	1353
GI	6091746	Score	181
Exons	1056..1181, 1283..1353		
GI Descrip.	(AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi 6513940 gb AAF14844.1 AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana]		

Seq. No.	7628	Seq. ID	OJ990831_15.9A22.C20
Gene No.	16106	Strand	-
Start	1053	End	1353
Name	OJ990831_15.9A22.C20.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	1351
GI	none	Score	77
Exons	1080..1187, 1086..1187, 1087..1191, 1280..1348, 1280..1351		

Seq. No.	7629	Seq. ID	OJ990831_15.9A22.C22
Gene No.	16107	Strand	+
Start	302	End	620
Name	OJ990831_15.9A22.C22.o1.gs	Method	GENSCAN
Start	302	End	620
GI	none	Score	.45
Exons	302..376, 540..620		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16108	Strand	+
Start	5944	End	10993
Name	OJ990831_15.9A22.C23.o2.gs	Method	GENSCAN
Start	5944	End	10993
GI	none	Score	.69
Exons	5944..6103, 6648..6889, 8199..8304, 8394..8490, 8582..8853, 9364..9491, 10424..10495, 10928..10993		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
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Gene No.	16109	Strand	-
Start	584	End	3661
Name	OJ990831_15.9A22.C23.o1.gp	Method	AAT/GAP
Start	416	End	997
GI	3107271	Score	554
Exons	416..661, 943..997		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16109	Strand	-
Start	584	End	3661
Name	OJ990831_15.9A22.C23.o1.gs	Method	GENSCAN
Start	584	End	3661
GI	none	Score	.6
Exons	584..661, 1588..1657, 2028..2191, 2270..2392, 3216..3337, 3367..3661		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16109	Strand	-
Start	584	End	3661
Name	OJ990831_15.9A22.C23.o1.np	Method	AAT/NAP
Start	587	End	3661
GI	6091731	Score	602
Exons	587..661, 943..1040, 1588..1657, 2028..2191, 2270..2392, 2619..2697, 3216..3333, 3457..3661		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16109	Strand	-
Start	584	End	3661
Name	OJ990831_15.9A22.C23.o1.tm	Method	TBLASTX:Maize
Start	2063	End	3553
GI	none	Score	173
Exons	2063..2200, 2064..2189, 2077..2199, 2270..2395, 2271..2393, 2523..2555, 2643..2696, 2646..2702, 3209..3322, 3216..3338, 3280..3339, 3455..3553, 3456..3545		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16110	Strand	-
Start	5917	End	6715
Name	OJ990831_15.9A22.C23.o2.tm	Method	TBLASTX:Maize
Start	5917	End	6715
GI	none	Score	280
Exons	5917..6024, 5945..6106, 6627..6713, 6634..6714, 6640..6714, 6641..6715		

Seq. No.	7630	Seq. ID	OJ990831_15.9A22.C23
Gene No.	16111	Strand	-
Start	11103	End	11210
Name	OJ990831_15.9A22.C23.o3.tm	Method	TBLASTX:Maize
Start	11103	End	11210
GI	none	Score	112
Exons	11103..11207, 11103..11210, 11104..11208		

Seq. No.	7631	Seq. ID	OJ990831_15.9A22.C24
Gene No.	16112	Strand	-
Start	997	End	1466
Name	OJ990831_15.9A22.C24.o1.tm	Method	TBLASTX:Maize

Start	923	End	1466
GI	none	Score	35
Exons	923..940, 987..1037, 988..1032, 1035..1316, 1036..1317, 1042..1317, 1044..1322, 1400..1456, 1401..1466		

Seq. No.	7631	Seq. ID	OJ990831_15.9A22.C24
Gene No.	16112	Strand	-
Start	997	End	1466
Name	OJ990831_15.9A22.C24.o1.gs	Method	GENSCAN
Start	997	End	1457
GI	none	Score	.55
Exons	997..1317, 1398..1457		

Seq. No.	7632	Seq. ID	OJ990831_15.9A22.C25
Gene No.	16113	Strand	-
Start	725	End	1133
Name	OJ990831_15.9A22.C25.o1.ts	Method	TBLASTX:Soybean
Start	661	End	1073
GI	none	Score	84
Exons	661..690, 810..914, 811..903, 964..1035, 971..1036, 971..1072, 1011..1073		

Seq. No.	7632	Seq. ID	OJ990831_15.9A22.C25
Gene No.	16113	Strand	-
Start	725	End	1133
Name	OJ990831_15.9A22.C25.o1.np	Method	AAT/NAP
Start	725	End	1133
GI	4455199	Score	217
Exons	725..896, 971..1133		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	7632	Seq. ID	OJ990831_15.9A22.C25
Gene No.	16113	Strand	-
Start	725	End	1133
Name	OJ990831_15.9A22.C25.o1.tc	Method	TBLASTX:Cress
Start	792	End	1126
GI	none	Score	.50
Exons	792..914, 805..924, 961..1026, 971..1096, 971..1126		

Seq. No.	7632	Seq. ID	OJ990831_15.9A22.C25
Gene No.	16113	Strand	-
Start	725	End	1133
Name	OJ990831_15.9A22.C25.o1.tm	Method	TBLASTX:Maize
Start	792	End	1133
GI	none	Score	66
Exons	792..914, 811..897, 971..1123, 1014..1133		

Seq. No.	7632	Seq. ID	OJ990831_15.9A22.C25
Gene No.	16113	Strand	-
Start	725	End	1133
Name	OJ990831_15.9A22.C25.o1.gs	Method	GENSCAN
Start	809	End	1090
GI	none	Score	.77
Exons	809..896, 971..1090		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16114	Strand	+

Start	4668	End	5270
Name	OJ990831_15.9A22.C26.o1.gp	Method	AAT/GAP
Start	4668	End	5270
GI	4588_1.R1084	Score	1123
Exons	4668..5270		
GI Descrip.	'4455232/emb CAB36731.1 4.0e-32 (AL035523) putative protein [Arabidopsis thaliana]'		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16115	Strand	-
Start	1	End	1912
Name	OJ990831_15.9A22.C26.o1.np	Method	AAT/NAP
Start	1	End	1566
GI	4455199	Score	456
Exons	1..221, 559..777, 874..1124, 1178..1406, 1495..1566		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16115	Strand	-
Start	1	End	1912
Name	OJ990831_15.9A22.C26.o1.gs	Method	GENSCAN
Start	559	End	1912
GI	none	Score	.68
Exons	559..777, 874..1119, 1495..1605, 1766..1912		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16116	Strand	-
Start	4967	End	10523
Name	OJ990831_15.9A22.C26.o1.tc	Method	TBLASTX:Cress
Start	856	End	1404
GI	none	Score	46
Exons	856..1098, 1055..1120, 1060..1119, 1206..1328, 1207..1326, 1309..1404, 1313..1399		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16116	Strand	-
Start	4967	End	10523
Name	OJ990831_15.9A22.C26.o2.tm	Method	TBLASTX:Maize
Start	973	End	1427
GI	none	Score	61
Exons	973..1119, 974..1120, 1206..1328, 1386..1427		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16116	Strand	-
Start	4967	End	10523
Name	OJ990831_15.9A22.C26.o2.ts	Method	TBLASTX:Soybean
Start	1009	End	1580
GI	none	Score	97
Exons	1009..1125, 1013..1120, 1203..1328, 1205..1345, 1209..1328, 1386..1418, 1389..1412, 1494..1580		

Seq. No.	7633	Seq. ID	OJ990831_15.9A22.C26
Gene No.	16116	Strand	-
Start	4967	End	10523
Name	OJ990831_15.9A22.C26.o1.tm	Method	TBLASTX:Maize
Start	4956	End	10363
GI	none	Score	190

Exons 4956..5168, 4958..5176, 4958..5611, 4974..5582, 6112..6243, 6113..6244, 6337..6543, 6342..6545, 6727..6888, 6761..6889, 7265..7351, 7267..7350, 7835..7873, 7835..7879, 7918..8082, 7919..8065, 8209..8358, 8209..8361, 8243..8362, 8471..8503, 8712..8804, 8714..8806, 8714..8806, 10252..10344, 10256..10363

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523
Name OJ990831_15.9A22.C26.o1.tw Method TBLASTX:Wheat
Start 4959 End 5150
GI none Score 88
Exons 4959..5135, 4967..5140, 4967..5140, 4974..5150

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523
Name OJ990831_15.9A22.C26.o1.ts Method TBLASTX:Soybean
Start 4961 End 10344
GI none Score 70
Exons 4961..5596, 5036..5155, 5040..5582, 6112..6243, 6113..6244, 6337..6543, 6339..6545, 6727..6897, 6728..6907, 7265..7351, 7273..7350, 7837..7872, 7927..8082, 7928..8056, 8218..8331, 8246..8332, 8712..8804, 8714..8806, 10258..10344

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523
Name OJ990831_15.9A22.C26.o2.gs Method GENSCAN
Start 4967 End 10410
GI none Score .81
Exons 4967..5666, 6116..6241, 6337..6542, 6757..6889, 7268..7349, 7851..8082, 8236..8355, 8471..8510, 9862..10019, 10252..10410

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523
Name OJ990831_15.9A22.C26.o2.np Method AAT/NAP
Start 4970 End 8358
GI 4455232 Score 1664
Exons 4970..5582, 6116..6241, 6337..6542, 6757..6889, 7856..8082, 8236..8358

GI Descrip. (AL035523) putative protein [Arabidopsis thaliana]

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523
Name OJ990831_15.9A22.C26.o2.gp Method AAT/GAP
Start 5509 End 6483
GI LIB3433-032-P1-K1-F7 Score 593
Exons 5509..5582, 6116..6241, 6337..6483
GI Descrip. '4455232/emb|CAB36731.1| 2.0e-48 (AL035523) putative protein [Arabidopsis thaliana]'

Seq. No. 7633 Seq. ID OJ990831_15.9A22.C26
Gene No. 16116 Strand -
Start 4967 End 10523

Name	OJ990831_15.9A22.C26.o3.gp	Method	AAT/GAP
Start	8274	End	10523
GI	none	Score	922
Exons	8274..8355, 8471..8537, 8712..8803, 10252..10523		

Seq. No.	7634	Seq. ID	OJ990831_15.9A22.C27
Gene No.	16117	Strand	+
Start	918	End	1480
Name	OJ990831_15.9A22.C27.o1.gs	Method	GENSCAN
Start	918	End	1480
GI	none	Score	.59
Exons	918..1108, 1230..1480		

Seq. No.	7634	Seq. ID	OJ990831_15.9A22.C27
Gene No.	16118	Strand	+
Start	5753	End	6141
Name	OJ990831_15.9A22.C27.o2.gp	Method	AAT/GAP
Start	5753	End	6141
GI	2442212	Score	617
Exons	5753..6141		

Seq. No.	7634	Seq. ID	OJ990831_15.9A22.C27
Gene No.	16119	Strand	-
Start	2482	End	4172
Name	OJ990831_15.9A22.C27.o2.gs	Method	GENSCAN
Start	2482	End	4064
GI	none	Score	.99
Exons	2482..2667, 3897..4064		

Seq. No.	7634	Seq. ID	OJ990831_15.9A22.C27
Gene No.	16119	Strand	-
Start	2482	End	4172
Name	OJ990831_15.9A22.C27.o1.gp	Method	AAT/GAP
Start	3889	End	4172
GI	none	Score	405
Exons	3889..4172		

Seq. No.	7634	Seq. ID	OJ990831_15.9A22.C27
Gene No.	16120	Strand	-
Start	4972	End	6043
Name	OJ990831_15.9A22.C27.o3.gs	Method	GENSCAN
Start	4972	End	6043
GI	none	Score	.96
Exons	4972..5124, 5405..5465, 5736..6043		

Seq. No.	7635	Seq. ID	OJ990831_15.9A22.C28
Gene No.	16121	Strand	+
Start	129	End	211
Name	OJ990831_15.9A22.C28.o1.gs	Method	GENSCAN
Start	129	End	211
GI	none	Score	.97
Exons	129..211		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.o1.np	Method	AAT/NAP

Start	1	End	1227
GI	3914685	Score	556
Exons	1..27, 329..559, 657..759, 830..897, 1198..1227		
GI Descrip.	60S RIBOSOMAL PROTEIN L17 gi 2668748 (AF034948) ribosomal protein L17 [Zea mays]		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.tw	Method	TBLASTX:Wheat
Start	323	End	1349
GI	none	Score	361
Exons	323..559, 326..562, 328..561, 656..757, 660..758, 677..760, 830..898, 832..918, 1299..1349		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.tc	Method	TBLASTX:Cress
Start	326	End	897
GI	none	Score	351
Exons	326..562, 328..561, 655..744, 656..757, 660..758, 830..880, 832..870, 832..897		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.tm	Method	TBLASTX:Maize
Start	326	End	940
GI	none	Score	375
Exons	326..562, 328..570, 328..561, 656..757, 660..758, 661..759, 661..759, 677..760, 828..851, 832..897, 833..940		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.ts	Method	TBLASTX:Soybean
Start	326	End	870
GI	none	Score	372
Exons	326..562, 328..561, 656..757, 660..758, 660..758, 831..869, 832..870, 832..870		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.gp	Method	AAT/GAP
Start	327	End	1422
GI	17719 1.R1084	Score	1144
Exons	327..559, 657..759, 830..897, 1198..1422		
GI Descrip.	'3914685/sp O48557 RL17 MAIZE 9.0e-86 60S RIBOSOMAL PROTEIN L17 >gi_2668748 (AF034948) ribosomal protein L17 [Zea mays]'		

Seq. No.	7636	Seq. ID	OJ990831_15.9A22.C29
Gene No.	16122	Strand	+
Start	1	End	1547
Name	OJ990831_15.9A22.C29.ol.gs	Method	GENSCAN
Start	329	End	1547

GI	none	Score	.82
Exons	329..559, 657..759, 1456..1547		
Seq. No.	7637	Seq. ID	OJ990831_15.9A22.C31
Gene No.	16123	Strand	+
Start	68	End	193
Name	OJ990831_15.9A22.C31.ol.gs	Method	GENSCAN
Start	68	End	193
GI	none	Score	.57
Exons	68..193		
Seq. No.	7637	Seq. ID	OJ990831_15.9A22.C31
Gene No.	16124	Strand	-
Start	1	End	84
Name	OJ990831_15.9A22.C31.ol.gp	Method	AAT/GAP
Start	1	End	84
GI	2311471	Score	160
Exons	1..84		
Seq. No.	7638	Seq. ID	OJ990601_08.9A22.C4
Gene No.	16125	Strand	-
Start	1	End	474
Name	OJ990601_08.9A22.C4.ol.np	Method	AAT/NAP
Start	1	End	474
GI	6942149	Score	105
Exons	1..74, 329..474		
GI Descrip.	(AF218808) ReMemBR-H2 protein JR702 [Arabidopsis thaliana]		
Seq. No.	7639	Seq. ID	OJ990601_08.9A22.C5
Gene No.	16126	Strand	+
Start	389	End	452
Name	OJ990601_08.9A22.C5.ol.gs	Method	GENSCAN
Start	389	End	452
GI	none	Score	.42
Exons	389..452		
Seq. No.	7640	Seq. ID	OJ990601_08.9A22.C6
Gene No.	16127	Strand	-
Start	177	End	537
Name	OJ990601_08.9A22.C6.ol.ts	Method	TBLASTX:Soybean
Start	137	End	537
GI	none	Score	283
Exons	137..535, 176..535, 178..537, 178..537		
Seq. No.	7640	Seq. ID	OJ990601_08.9A22.C6
Gene No.	16127	Strand	-
Start	177	End	537
Name	OJ990601_08.9A22.C6.ol.tm	Method	TBLASTX:Maize
Start	176	End	537
GI	none	Score	413
Exons	176..532, 176..328, 178..537, 178..537		
Seq. No.	7640	Seq. ID	OJ990601_08.9A22.C6
Gene No.	16127	Strand	-
Start	177	End	537
Name	OJ990601_08.9A22.C6.ol.tw	Method	TBLASTX:Wheat
Start	176	End	377

GI	none	Score	212
Exons	176..361, 178..345, 309..377		
Seq. No.	7640	Seq. ID	OJ990601_08.9A22.C6
Gene No.	16127	Strand	-
Start	177	End	537
Name	OJ990601_08.9A22.C6.o1.np	Method	AAT/NAP
Start	177	End	537
GI	6942149	Score	408
Exons	177..537		
GI Descrip.	(AF218808) ReMemBR-H2 protein JR702 [Arabidopsis thaliana]		

Seq. No.	7640	Seq. ID	OJ990601_08.9A22.C6
Gene No.	16127	Strand	-
Start	177	End	537
Name	OJ990601_08.9A22.C6.o1.tc	Method	TBLASTX:Cress
Start	362	End	537
GI	none	Score	150
Exons	362..526, 379..537		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16128	Strand	+
Start	1	End	123
Name	OJ990601_08.9A22.C9.o1.gp	Method	AAT/GAP
Start	1	End	123
GI	none	Score	230
Exons	1..123		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16129	Strand	+
Start	459	End	4238
Name	OJ990601_08.9A22.C9.o1.np	Method	AAT/NAP
Start	459	End	3272
GI	6942149	Score	933
Exons	459..567, 962..1186, 1538..1942, 2511..3008, 3210..3272		
GI Descrip.	(AF218808) ReMemBR-H2 protein JR702 [Arabidopsis thaliana]		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16129	Strand	+
Start	459	End	4238
Name	OJ990601_08.9A22.C9.o1.gs	Method	GENSCAN
Start	475	End	4238
GI	none	Score	.71
Exons	475..567, 962..1186, 4150..4238		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16129	Strand	+
Start	459	End	4238
Name	OJ990601_08.9A22.C9.o2.gp	Method	AAT/GAP
Start	2785	End	3395
GI	none	Score	1144
Exons	2785..3395		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16130	Strand	+
Start	6704	End	7188
Name	OJ990601_08.9A22.C9.o3.gs	Method	GENSCAN

Start 6704
 GI none
 Exons 6704..6732, 6927..7188

End 7188
 Score .83

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16131 Strand +
 Start 9303 End 11006
 Name OJ990601_08.9A22.C9.o3.np Method AAT/NAP
 Start 9303 End 11006
 GI 6907086 Score 1131
 Exons 9303..10089, 10149..10335, 10556..11006
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16132 Strand -
 Start 5524 End 5922
 Name OJ990601_08.9A22.C9.o3.gp Method AAT/GAP
 Start 5343 End 5922
 GI none Score 1104
 Exons 5343..5922

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16132 Strand -
 Start 5524 End 5922
 Name OJ990601_08.9A22.C9.o2.gs Method GENSCAN
 Start 5524 End 5814
 GI none Score .92
 Exons 5524..5814

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16132 Strand -
 Start 5524 End 5922
 Name OJ990601_08.9A22.C9.o2.np Method AAT/NAP
 Start 5531 End 5814
 GI 4836405 Score 115
 Exons 5531..5814
 GI Descrip. (AF117724) seed maturation protein PM28 [Glycine max]

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16133 Strand -
 Start 7702 End 9840
 Name OJ990601_08.9A22.C9.o1.tc Method TBLASTX:Cress
 Start 459 End 1757
 GI none Score 76
 Exons 459..569, 961..1044, 1036..1185, 1062..1172, 1528..1740, 1539..1757

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9
 Gene No. 16133 Strand -
 Start 7702 End 9840
 Name OJ990601_08.9A22.C9.o1.ts Method TBLASTX:Soybean
 Start 459 End 1982
 GI none Score 82
 Exons 459..569, 500..565, 960..1058, 961..1059, 1057..1182, 1062..1187, 1063..1185, 1528..1941, 1530..1943, 1575..1982

Seq. No. 7641 Seq. ID OJ990601_08.9A22.C9

Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o1.tm	Method	TBLASTX:Maize
Start	961	End	1943
GI	none	Score	273
Exons	961..1176, 963..1202, 1529..1684, 1533..1757, 1537..1941, 1537..1941, 1539..1943, 1791..1943		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o1.tw	Method	TBLASTX:Wheat
Start	1742	End	2772
GI	none	Score	266
Exons	1742..1810, 1758..1943, 1774..1941, 2502..2624, 2509..2772, 2512..2766		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o2.tc	Method	TBLASTX:Cress
Start	1830	End	2923
GI	none	Score	137
Exons	1830..1943, 1831..1941, 1866..1943, 2510..2689, 2510..2587, 2512..2637, 2606..2923		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o2.tm	Method	TBLASTX:Maize
Start	2498	End	3124
GI	none	Score	257
Exons	2498..2728, 2510..2770, 2512..2763, 2816..2944, 2825..2941, 2950..2985, 2951..2983, 3012..3032, 3013..3033, 3040..3123, 3047..3124		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o2.ts	Method	TBLASTX:Soybean
Start	2510	End	2677
GI	none	Score	194
Exons	2510..2677, 2512..2637		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o3.tm	Method	TBLASTX:Maize
Start	5563	End	5841
GI	none	Score	43
Exons	5563..5613, 5563..5616, 5564..5614, 5653..5841, 5654..5815		

Seq. No.	7641	Seq. ID	OJ990601_08.9A22.C9
Gene No.	16133	Strand	-
Start	7702	End	9840
Name	OJ990601_08.9A22.C9.o4.gs	Method	GENSCAN
Start	7702	End	9840

GI	none	Score	.41
Exons	7702..7775, 8498..8595, 9638..9840		
Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16134	Strand	-
Start	1658	End	2143
Name	OJ990601_08.9A22.C10.o1.gp	Method	AAT/GAP
Start	1323	End	2143
GI	511_1.R1084	Score	1609
Exons	1323..2143		
GI Descrip.	'871931/dbj BAA06436 3.0e-53 (D30763) ferredoxin [Oryza sativa]'		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16134	Strand	-
Start	1658	End	2143
Name	OJ990601_08.9A22.C10.o1.gs	Method	GENSCAN
Start	1658	End	2077
GI	none	Score	1
Exons	1658..2077		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16134	Strand	-
Start	1658	End	2143
Name	OJ990601_08.9A22.C10.o1.np	Method	AAT/NAP
Start	1661	End	2077
GI	871931	Score	710
Exons	1661..2077		
GI Descrip.	(D30763) ferredoxin [Oryza sativa]		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16135	Strand	-
Start	2887	End	4343
Name	OJ990601_08.9A22.C10.o1.ts	Method	TBLASTX:Soybean
Start	1652	End	1969
GI	none	Score	134
Exons	1652..1969, 1653..1796, 1842..1949		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16135	Strand	-
Start	2887	End	4343
Name	OJ990601_08.9A22.C10.o1.tc	Method	TBLASTX:Cress
Start	1655	End	2041
GI	none	Score	152
Exons	1655..2041, 1668..1802, 1842..1949		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16135	Strand	-
Start	2887	End	4343
Name	OJ990601_08.9A22.C10.o1.tm	Method	TBLASTX:Maize
Start	1664	End	2023
GI	none	Score	182
Exons	1664..2023, 1668..1802, 1844..1963		

Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16135	Strand	-
Start	2887	End	4343

Name	OJ990601_08.9A22.C10.o1.tw	Method	TBLASTX:Wheat
Start	1838	End	2017
GI	none	Score	125
Exons	1838..2017, 1842..1991		
Seq. No.	7642	Seq. ID	OJ990601_08.9A22.C10
Gene No.	16135	Strand	-
Start	2887	End	4343
Name	OJ990601_08.9A22.C10.o2.gs	Method	GENSCAN
Start	2887	End	4343
GI	none	Score	.98
Exons	2887..2947, 4240..4343		
Seq. No.	7643	Seq. ID	OJ990601_08.9A22.C11
Gene No.	16136	Strand	-
Start	2429	End	2976
Name	OJ990601_08.9A22.C11.o1.np	Method	AAT/NAP
Start	2429	End	2976
GI	5922628	Score	295
Exons	2429..2707, 2903..2976		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016861 dbj BAA85204.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	7644	Seq. ID	OJ990601_08.9A22.C12
Gene No.	16137	Strand	-
Start	1	End	617
Name	OJ990601_08.9A22.C12.o1.np	Method	AAT/NAP
Start	1	End	617
GI	4220527	Score	135
Exons	1..58, 431..617		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		
Seq. No.	7645	Seq. ID	OJ990601_08.9A22.C13
Gene No.	16138	Strand	+
Start	378	End	1576
Name	OJ990601_08.9A22.C13.o1.gp	Method	AAT/GAP
Start	378	End	635
GI	571598	Score	471
Exons	378..635		
Seq. No.	7645	Seq. ID	OJ990601_08.9A22.C13
Gene No.	16138	Strand	+
Start	378	End	1576
Name	OJ990601_08.9A22.C13.o1.gs	Method	GENSCAN
Start	450	End	864
GI	none	Score	.77
Exons	450..638, 727..864		
Seq. No.	7645	Seq. ID	OJ990601_08.9A22.C13
Gene No.	16138	Strand	+
Start	378	End	1576
Name	OJ990601_08.9A22.C13.o1.np	Method	AAT/NAP
Start	513	End	1576
GI	4006878	Score	180
Exons	513..642, 731..864, 1473..1576		
GI Descrip.	(Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]		

Seq. No.	7645	Seq. ID	OJ990601_08.9A22.C13
Gene No.	16138	Strand	+
Start	378	End	1576
Name	OJ990601_08.9A22.C13.o1.tc	Method	TBLASTX:Cress
Start	522	End	864
GI	none	Score	102
Exons	522..641, 718..864, 735..779		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16139	Strand	+
Start	1385	End	7986
Name	OJ990601_08.9A22.C14.o1.np	Method	AAT/NAP
Start	1385	End	2861
GI	4006878	Score	742
Exons	1385..1516, 1624..1924, 2008..2231, 2326..2412, 2812..2861		
GI Descrip.	(Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16139	Strand	+
Start	1385	End	7986
Name	OJ990601_08.9A22.C14.o1.gs	Method	GENSCAN
Start	1412	End	7986
GI	none	Score	.86
Exons	1412..1516, 1624..1924, 2008..2231, 2326..2412, 2875..2991, 4625..4777, 5544..5729, 6652..6819, 6945..7178, 7501..7986		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16139	Strand	+
Start	1385	End	7986
Name	OJ990601_08.9A22.C14.o1.gp	Method	AAT/GAP
Start	1424	End	3286
GI	16403_1.R1084	Score	2247
Exons	1424..1516, 1624..1924, 2008..2231, 2326..2412, 2812..3286		
GI Descrip.	'4006878/emb CAB16796.1 4.0e-95 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16139	Strand	+
Start	1385	End	7986
Name	OJ990601_08.9A22.C14.o2.np	Method	AAT/NAP
Start	4739	End	7769
GI	4220527	Score	829
Exons	4739..4777, 5544..5729, 6538..6819, 6945..7182, 7601..7769		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o1.ts	Method	TBLASTX:Soybean
Start	1402	End	2370
GI	none	Score	174
Exons	1402..1512, 1406..1516, 1409..1516, 1612..1719, 1626..1709, 1710..1925, 1711..1923, 1731..1925, 2009..2221, 2010..2228, 2116..2223, 2323..2370		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
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Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o1.tm	Method	TBLASTX:Maize
Start	1412	End	1925
GI	none	Score	187
Exons	1412..1516, 1417..1515, 1612..1923, 1626..1925		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o2.tc	Method	TBLASTX:Cress
Start	1448	End	1929
GI	none	Score	115
Exons	1448..1516, 1450..1515, 1624..1710, 1726..1923, 1734..1919, 1762..1929		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o2.tw	Method	TBLASTX:Wheat
Start	1663	End	1929
GI	none	Score	62
Exons	1663..1710, 1726..1929, 1737..1928		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o5.tm	Method	TBLASTX:Maize
Start	2009	End	2177
GI	none	Score	200
Exons	2009..2176, 2010..2177		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o3.tc	Method	TBLASTX:Cress
Start	2036	End	2412
GI	none	Score	178
Exons	2036..2230, 2037..2228, 2323..2412, 2325..2411		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o4.tm	Method	TBLASTX:Maize
Start	2180	End	2890
GI	none	Score	93
Exons	2180..2230, 2181..2231, 2190..2231, 2192..2245, 2325..2411, 2326..2421, 2811..2867, 2855..2890		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o3.tm	Method	TBLASTX:Maize
Start	5549	End	7028
GI	none	Score	132
Exons	5549..5677, 5559..5675, 6541..6606, 6546..6614, 6625..6816, 6636..6815, 6663..6842, 6945..7028		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o1.tw	Method	TBLASTX:Wheat
Start	6541	End	6828
GI	none	Score	96
Exons	6541..6615, 6646..6828, 6654..6818, 6658..6828		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o2.ts	Method	TBLASTX:Soybean
Start	6556	End	7797
GI	none	Score	92
Exons	6556..6633, 6558..6632, 6563..6634, 6642..6815, 6643..6816, 6643..6843, 6678..6836, 6945..7184, 6950..7174, 7498..7665, 7500..7769, 7705..7797		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o1.tc	Method	TBLASTX:Cress
Start	6583	End	7052
GI	none	Score	46
Exons	6583..6615, 6646..6828, 6651..6815, 6945..7052		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o2.tm	Method	TBLASTX:Maize
Start	7046	End	7986
GI	none	Score	133
Exons	7046..7174, 7049..7213, 7050..7184, 7497..7757, 7498..7797, 7500..7757, 7558..7797, 7799..7828, 7807..7836, 7840..7962, 7847..7915, 7917..7985, 7918..7986		

Seq. No.	7646	Seq. ID	OJ990601_08.9A22.C14
Gene No.	16140	Strand	-
Start	7328	End	8039
Name	OJ990601_08.9A22.C14.o2.gp	Method	AAT/GAP
Start	7328	End	8039
GI	5003104	Score	1332
Exons	7328..8039		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.np	Method	AAT/NAP
Start	1	End	1356
GI	5777631	Score	667
Exons	1..157, 257..389, 551..638, 1125..1356		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356

Name	OJ990601_08.9A22.C15.o1.gp	Method	AAT/GAP
Start	55	End	186
GI	LIB3433-017-Q6-K1-H9	Score	152
Exons	55..186		
GI Descrip.	'5777631/emb CAB53492.1 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa]'		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.tm	Method	TBLASTX:Maize
Start	55	End	1319
GI	none	Score	55
Exons	55..156, 110..160, 257..379, 259..387, 548..637, 555..638, 556..615, 622..642, 1125..1319, 1126..1317		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o2.tw	Method	TBLASTX:Wheat
Start	55	End	339
GI	none	Score	82
Exons	55..159, 56..160, 101..160, 102..164, 256..339, 257..307		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o2.tc	Method	TBLASTX:Cress
Start	79	End	391
GI	none	Score	66
Exons	79..159, 104..166, 256..390, 257..391		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.ts	Method	TBLASTX:Soybean
Start	91	End	1319
GI	none	Score	75
Exons	91..159, 110..160, 113..160, 254..376, 256..390, 257..391, 552..641, 553..642, 1125..1319, 1126..1317		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o2.gp	Method	AAT/GAP
Start	254	End	1210
GI	3107841	Score	558
Exons	254..389, 551..638, 1125..1210		
GI Descrip.	5777631/emb CAB53492.1 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.gs	Method	GENSCAN
Start	257	End	1280
GI	none	Score	.79

Exons 257..353, 551..638, 1125..1280

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.tc	Method	TBLASTX:Cress
Start	1120	End	1319
GI	none	Score	200
Exons	1120..1284, 1125..1319, 1126..1308		

Seq. No.	7647	Seq. ID	OJ990601_08.9A22.C15
Gene No.	16141	Strand	-
Start	1	End	1356
Name	OJ990601_08.9A22.C15.o1.tw	Method	TBLASTX:Wheat
Start	1144	End	1316
GI	none	Score	163
Exons	1144..1308, 1144..1284, 1146..1316		

Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16142	Strand	+
Start	278	End	1843
Name	OJ990601_08.9A22.C16.o1.gs	Method	GENSCAN
Start	278	End	1843
GI	none	Score	.85
Exons	278..345, 493..634, 1312..1386, 1476..1843		

Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16143	Strand	-
Start	1	End	496
Name	OJ990601_08.9A22.C16.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5777631	Score	461
Exons	1..496		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16143	Strand	-
Start	1	End	496
Name	OJ990601_08.9A22.C16.o1.gp	Method	AAT/GAP
Start	131	End	216
GI	3107841	Score	153
Exons	131..216		
GI Descrip.	5777631 emb CAB53492.1 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16144	Strand	-
Start	2092	End	2238
Name	OJ990601_08.9A22.C16.o1.tc	Method	TBLASTX:Cress
Start	131	End	497
GI	none	Score	162
Exons	131..343, 135..314, 166..330, 359..496, 423..497		

Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16144	Strand	-
Start	2092	End	2238
Name	OJ990601_08.9A22.C16.o1.ts	Method	TBLASTX:Soybean

Start	131	End	527
GI	none	Score	194
Exons	131..403, 132..314, 146..403, 412..516, 413..517, 414..527		
Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16144	Strand	-
Start	2092	End	2238
Name	OJ990601_08.9A22.C16.o1.tm	Method	TBLASTX:Maize
Start	131	End	516
GI	none	Score	224
Exons	131..496, 131..496, 133..516		
Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16144	Strand	-
Start	2092	End	2238
Name	OJ990601_08.9A22.C16.o1.tw	Method	TBLASTX:Wheat
Start	150	End	497
GI	none	Score	163
Exons	150..314, 150..290, 152..400, 152..397, 413..496, 414..497		
Seq. No.	7648	Seq. ID	OJ990601_08.9A22.C16
Gene No.	16144	Strand	-
Start	2092	End	2238
Name	OJ990601_08.9A22.C16.o2.gs	Method	GENSCAN
Start	2092	End	2238
GI	none	Score	.47
Exons	2092..2111, 2166..2238		
Seq. No.	7649	Seq. ID	OJ990601_08.9A22.C17
Gene No.	16145	Strand	+
Start	1	End	2765
Name	OJ990601_08.9A22.C17.o1.np	Method	AAT/NAP
Start	1	End	2765
GI	6598802	Score	103
Exons	1..25, 697..770, 951..1061, 2683..2765		
GI Descrip.	(AF024504) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	7649	Seq. ID	OJ990601_08.9A22.C17
Gene No.	16146	Strand	-
Start	951	End	2674
Name	OJ990601_08.9A22.C17.o1.gs	Method	GENSCAN
Start	951	End	2674
GI	none	Score	.7
Exons	951..1073, 2032..2129, 2253..2391, 2549..2674		
Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.gs	Method	GENSCAN
Start	2106	End	9152
GI	none	Score	.47
Exons	2106..2203, 2296..2422, 2478..2762, 2904..3058, 5104..5173, 5777..5922, 6223..6334, 7532..7627, 8486..8566, 8671..8721, 9012..9152		
Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+

Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.np	Method	AAT/NAP
Start	2416	End	9164
GI	3367596	Score	756
Exons	2416..2490, 2691..3043, 3348..3427, 5095..5173, 5270..5466, 5837..5922, 6223..6334, 6409..6478, 6874..7049, 7532..7627, 8486..8566, 8671..8724, 9012..9164		

GI Descrip. (AL031135) putative protein [Arabidopsis thaliana]

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.gp	Method	AAT/GAP
Start	2469	End	2787
GI	569646	Score	610
Exons	2469..2787		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.tc	Method	TBLASTX:Cress
Start	5111	End	8714
GI	none	Score	60
Exons	5111..5167, 5128..5166, 5261..5371, 5269..5385, 5288..5386, 6388..6477, 6867..7052, 6872..7036, 7532..7630, 8474..8569, 8482..8583, 8664..8714		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o2.tm	Method	TBLASTX:Maize
Start	5123	End	5385
GI	none	Score	71
Exons	5123..5176, 5125..5166, 5279..5380, 5284..5385, 5288..5383		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.tw	Method	TBLASTX:Wheat
Start	5822	End	7020
GI	none	Score	96
Exons	5822..5923, 5827..5925, 6212..6337, 6224..6337, 6382..6477, 6392..6484, 6402..6485, 6860..7018, 6861..7019, 6877..7020		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.tm	Method	TBLASTX:Maize
Start	6269	End	9152
GI	none	Score	78
Exons	6269..6337, 6280..6336, 6382..6477, 6391..6477, 6407..6484, 6408..6491, 6867..7052, 6872..7039, 6873..7049, 7528..7626, 7530..7628, 7532..7630, 8474..8569, 8483..8560, 8485..8568, 8670..8720, 8671..8721, 8674..8721, 9011..9142, 9012..9152		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+

Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o1.ts	Method	TBLASTX:Soybean
Start	6887	End	9137
GI	none	Score	208
Exons	6887..7030, 6888..7052, 7531..7641, 7532..7630, 8474..8560, 8674..8721, 9012..9137		

Seq. No.	7650	Seq. ID	OJ990601_08.9A22.C18
Gene No.	16147	Strand	+
Start	2106	End	9164
Name	OJ990601_08.9A22.C18.o2.gp	Method	AAT/GAP
Start	7519	End	9164
GI	LIB3431-038-P1-K1-A11	Score	657
Exons	7519..7627, 8486..8566, 8671..8721, 9012..9164		
GI Descrip.	'3367596/emb CAA20048 3.0e-38 (AL031135) putative protein [Arabidopsis thaliana]'		

Seq. No.	7651	Seq. ID	OJ990601_08.9A22.C19
Gene No.	16148	Strand	-
Start	293	End	433
Name	OJ990601_08.9A22.C19.o1.gs	Method	GENSCAN
Start	293	End	433
GI	none	Score	.71
Exons	293..433		

Seq. No.	7652	Seq. ID	OJ990601_08.9A22.C20
Gene No.	16149	Strand	-
Start	422	End	503
Name	OJ990601_08.9A22.C20.o1.gs	Method	GENSCAN
Start	422	End	503
GI	none	Score	.6
Exons	422..503		

Seq. No.	7653	Seq. ID	OJ990601_08.9A22.C21
Gene No.	16150	Strand	+
Start	371	End	435
Name	OJ990601_08.9A22.C21.o2.gp	Method	AAT/GAP
Start	371	End	435
GI	none	Score	106
Exons	371..435		

Seq. No.	7653	Seq. ID	OJ990601_08.9A22.C21
Gene No.	16151	Strand	-
Start	269	End	361
Name	OJ990601_08.9A22.C21.o1.gs	Method	GENSCAN
Start	269	End	361
GI	none	Score	.81
Exons	269..361		

Seq. No.	7654	Seq. ID	OJ990601_08.9A22.C22
Gene No.	16152	Strand	+
Start	1	End	678
Name	OJ990601_08.9A22.C22.o1.np	Method	AAT/NAP
Start	1	End	678
GI	6598802	Score	64
Exons	1..40, 135..244, 319..388, 645..678		
GI Descrip.	(AF024504) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	7654	Seq. ID	OJ990601_08.9A22.C22
Gene No.	16152	Strand	+
Start	1	End	678
Name	OJ990601_08.9A22.C22.ol.tw	Method	TBLASTX:Wheat
Start	122	End	395
GI	none	Score	126
Exons	122..247, 134..247, 292..387,		301..384, 302..394, 312..395

Seq. No.	7654	Seq. ID	OJ990601_08.9A22.C22
Gene No.	16152	Strand	+
Start	1	End	678
Name	OJ990601_08.9A22.C22.ol.tm	Method	TBLASTX:Maize
Start	128	End	421
GI	none	Score	131
Exons	128..247, 134..247, 292..387,		294..389, 314..370, 317..421

Seq. No.	7654	Seq. ID	OJ990601_08.9A22.C22
Gene No.	16152	Strand	+
Start	1	End	678
Name	OJ990601_08.9A22.C22.ol.gs	Method	GENSCAN
Start	133	End	256
GI	none	Score	.74
Exons	133..256		

Seq. No.	7655	Seq. ID	OJ990601_08.9A22.C23
Gene No.	16153	Strand	+
Start	168	End	571
Name	OJ990601_08.9A22.C23.ol.gs	Method	GENSCAN
Start	168	End	571
GI	none	Score	.76
Exons	168..345, 440..571		

Seq. No.	7656	Seq. ID	OJ990601_08.9A22.C27
Gene No.	16154	Strand	+
Start	172	End	225
Name	OJ990601_08.9A22.C27.ol.gs	Method	GENSCAN
Start	172	End	225
GI	none	Score	.92
Exons	172..225		

Seq. No.	7657	Seq. ID	OJ990601_08.9A22.C28
Gene No.	16155	Strand	+
Start	382	End	418
Name	OJ990601_08.9A22.C28.ol.gs	Method	GENSCAN
Start	382	End	418
GI	none	Score	.69
Exons	382..418		

Seq. No.	7658	Seq. ID	OJ990601_08.9A22.C29
Gene No.	16156	Strand	-
Start	1081	End	1132
Name	OJ990601_08.9A22.C29.ol.gs	Method	GENSCAN
Start	1081	End	1132
GI	none	Score	.92
Exons	1081..1132		

Seq. No.	7659	Seq. ID	OJ990601_08.9A22.C31
Gene No.	16157	Strand	+
Start	1	End	443
Name	OJ990601_08.9A22.C31.o1.np	Method	AAT/NAP
Start	1	End	443
GI	6907088	Score	373
Exons	1..443		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	7660	Seq. ID	OJ990601_08.9A22.C33
Gene No.	16158	Strand	-
Start	219	End	331
Name	OJ990601_08.9A22.C33.o1.gs	Method	GENSCAN
Start	219	End	331
GI	none	Score	.41
Exons	219..331		

Seq. No.	7661	Seq. ID	OJ990601_08.9A22.C34
Gene No.	16159	Strand	-
Start	1	End	540
Name	OJ990601_08.9A22.C34.o1.np	Method	AAT/NAP
Start	1	End	540
GI	4220527	Score	151
Exons	1..118, 312..540		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16160	Strand	+
Start	138	End	624
Name	OJ990601_08.9A22.C38.o1.gp	Method	AAT/GAP
Start	138	End	624
GI	16990_1.R1084	Score	936
Exons	138..624		
GI Descrip.	'5263330/gb AAD41432.1 AC007727_21 9.0e-26 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb'		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16161	Strand	-
Start	421	End	939
Name	OJ990601_08.9A22.C38.o1.tm	Method	TBLASTX:Maize
Start	413	End	939
GI	none	Score	136
Exons	413..916, 414..617, 416..934, 421..939, 421..939		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16161	Strand	-
Start	421	End	939
Name	OJ990601_08.9A22.C38.o1.gs	Method	GENSCAN
Start	421	End	882
GI	none	Score	.49
Exons	421..882		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16161	Strand	-

Start	421	End	939
Name	OJ990601_08.9A22.C38.ol.tc	Method	TBLASTX:Cress
Start	421	End	939
GI	none	Score	184
Exons	421..708, 428..691, 433..738, 706..939, 710..919		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16161	Strand	-
Start	421	End	939
Name	OJ990601_08.9A22.C38.ol.ts	Method	TBLASTX:Soybean
Start	421	End	913
GI	none	Score	257
Exons	421..888, 422..913		

Seq. No.	7662	Seq. ID	OJ990601_08.9A22.C38
Gene No.	16161	Strand	-
Start	421	End	939
Name	OJ990601_08.9A22.C38.ol.np	Method	AAT/NAP
Start	424	End	939
GI	5263330	Score	646
Exons	424..939		
GI Descrip.	(AC007727) Contains similarity to gb AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF 00651 BTB/POZ domain. ESTs gb T75841, gb R89974, gb R30221, gb N96386, gb T76457, gb AI100013 and gb...		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656
Name	OJ990601_08.9A22.C39.ol.np	Method	AAT/NAP
Start	1	End	656
GI	5263330	Score	189
Exons	1..76, 171..316, 600..656		
GI Descrip.	(AC007727) Contains similarity to gb AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF 00651 BTB/POZ domain. ESTs gb T75841, gb R89974, gb R30221, gb N96386, gb T76457, gb AI100013 and gb...		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656
Name	OJ990601_08.9A22.C39.ol.ts	Method	TBLASTX:Soybean
Start	2	End	315
GI	none	Score	109
Exons	2..85, 3..80, 172..315		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656
Name	OJ990601_08.9A22.C39.ol.tc	Method	TBLASTX:Cress
Start	3	End	315
GI	none	Score	111
Exons	3..77, 5..76, 172..315, 174..314		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656

Name	OJ990601_08.9A22.C39.ol.tm	Method	TBLASTX:Maize
Start	3	End	315
GI	none	Score	132
Exons	3..80, 5..76, 169..315, 172..315		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656
Name	OJ990601_08.9A22.C39.ol.gs	Method	GENSCAN
Start	60	End	170
GI	none	Score	.71
Exons	60..170		

Seq. No.	7663	Seq. ID	OJ990601_08.9A22.C39
Gene No.	16162	Strand	+
Start	1	End	656
Name	OJ990601_08.9A22.C39.ol.gp	Method	AAT/GAP
Start	68	End	322
GI	63152_1.R1084	Score	477
Exons	68..322		
GI Descrip.	'5263330/gb AAD41432.1 AC007727_21 4.0e-20 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb'		

Seq. No.	7664	Seq. ID	OJ990601_08.9A22.C40
Gene No.	16163	Strand	+
Start	236	End	535
Name	OJ990601_08.9A22.C40.ol.gp	Method	AAT/GAP
Start	236	End	535
GI	none	Score	575
Exons	236..535		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16164	Strand	+
Start	1	End	306
Name	OJ990601_08.9A22.C41.ol.gp	Method	AAT/GAP
Start	1	End	306
GI	16990_1.R1084	Score	604
Exons	1..306		
GI Descrip.	'5263330/gb AAD41432.1 AC007727_21 9.0e-26 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb'		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-
Start	103	End	1154
Name	OJ990601_08.9A22.C41.ol.tm	Method	TBLASTX:Maize
Start	95	End	687
GI	none	Score	136
Exons	95..637, 96..299, 98..643, 103..687, 103..639		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-

Start	103	End	1154
Name	OJ990601_08.9A22.C41.o1.gs	Method	GENSCAN
Start	103	End	1084
GI	none	Score	.91
Exons	103..714, 966..1084		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-
Start	103	End	1154
Name	OJ990601_08.9A22.C41.o1.ts	Method	TBLASTX:Soybean
Start	103	End	1085
GI	none	Score	264
Exons	103..570, 104..655, 574..702, 981..1085, 982..1059		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-
Start	103	End	1154
Name	OJ990601_08.9A22.C41.o1.tc	Method	TBLASTX:Cress
Start	103	End	1086
GI	none	Score	184
Exons	103..390, 110..373, 115..420, 388..669, 392..667, 442..669, 981..1085, 982..1086		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-
Start	103	End	1154
Name	OJ990601_08.9A22.C41.o1.np	Method	AAT/NAP
Start	106	End	1154
GI	5263330	Score	768
Exons	106..714, 972..1154		
GI Descrip.	(AC007727) Contains similarity to gb AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF 00651 BTB/POZ domain. ESTs gb T75841, gb R89974, gb R30221, gb N96386, gb T76457, gb AI100013 and gb...		

Seq. No.	7665	Seq. ID	OJ990601_08.9A22.C41
Gene No.	16165	Strand	-
Start	103	End	1154
Name	OJ990601_08.9A22.C41.o2.gp	Method	AAT/GAP
Start	953	End	1084
GI	63152.1.R1084	Score	196
Exons	953..1084		
GI Descrip.	'5263330/gb AAD41432.1 AC007727 21 4.0e-20 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb'		

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.np	Method	AAT/NAP
Start	1	End	1422
GI	5263330	Score	334
Exons	1..313, 1070..1215, 1310..1422		
GI Descrip.	(AC007727) Contains similarity to gb AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF 00651 BTB/POZ		

domain. ESTs gb|T75841, gb|R89974, gb|R30221, gb|N96386, gb|T76457, gb|AI100013 and gb...

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.gp	Method	AAT/GAP
Start	181	End	1318
GI	63152.1.R1084	Score	705
Exons	181..313, 1070..1318		
GI Descrip.	'5263330/gb AAD41432.1 AC007727_21 4.0e-20. (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb'		

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.gs	Method	GENSCAN
Start	194	End	1425
GI	none	Score	.67
Exons	194..313, 1182..1425		

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.ts	Method	TBLASTX:Soybean
Start	198	End	1413
GI	none	Score	83
Exons	198..314, 211..288, 1071..1214, 1301..1408, 1306..1413		

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.tc	Method	TBLASTX:Cress
Start	198	End	1416
GI	none	Score	76
Exons	198..314, 211..315, 1071..1214, 1072..1212, 1309..1416, 1310..1408		

Seq. No.	7666	Seq. ID	OJ990601_08.9A22.C42
Gene No.	16166	Strand	-
Start	1	End	1425
Name	OJ990601_08.9A22.C42.o1.tm	Method	TBLASTX:Maize
Start	1071	End	1416
GI	none	Score	144
Exons	1071..1217, 1071..1214, 1306..1416, 1309..1401, 1310..1411		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16167	Strand	+
Start	7503	End	8281
Name	OJ990601_08.9A22.C43.o3.gs	Method	GENSCAN
Start	7503	End	8281
GI	none	Score	.63
Exons	7503..7570, 8191..8281		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16168	Strand	-
Start	2571	End	3782
Name	OJ990601_08.9A22.C43.o2.gs	Method	GENSCAN
Start	2571	End	3782
GI	none	Score	.68
Exons	2571..3044, 3228..3412, 3602..3782		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16168	Strand	-
Start	2571	End	3782
Name	OJ990601_08.9A22.C43.o1.np	Method	AAT/NAP
Start	3013	End	3767
GI	4406812	Score	558
Exons	3013..3077, 3191..3477, 3602..3767		
GI Descrip.	(AC006201) putative NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16169	Strand	-
Start	9047	End	9463
Name	OJ990601_08.9A22.C43.o1.gp	Method	AAT/GAP
Start	9047	End	9463
GI	2338_1.R1084	Score	179
Exons	9047..9118, 9381..9463		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o1.tm	Method	TBLASTX:Maize
Start	3042	End	3455
GI	none	Score	100
Exons	3042..3077, 3201..3302, 3203..3307, 3219..3302, 3329..3454, 3333..3455		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o1.tw	Method	TBLASTX:Wheat
Start	3042	End	3440
GI	none	Score	95
Exons	3042..3068, 3197..3310, 3198..3311, 3201..3347, 3314..3436, 3327..3440		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o1.ts	Method	TBLASTX:Soybean
Start	3042	End	3454
GI	none	Score	104
Exons	3042..3083, 3206..3316, 3219..3311, 3305..3454, 3336..3437		

Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917

Name	OJ990601_08.9A22.C43.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3442
GI	none	Score	181
Exons	3215..3442, 3219..3437		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o2.tc	Method	TBLASTX:Cress
Start	3595	End	3744
GI	none	Score	96
Exons	3595..3738, 3603..3743, 3607..3744		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o2.ts	Method	TBLASTX:Soybean
Start	3603	End	3744
GI	none	Score	100
Exons	3603..3743, 3607..3744		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o3.tm	Method	TBLASTX:Maize
Start	3618	End	3747
GI	none	Score	113
Exons	3618..3746, 3664..3747		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o4.gs	Method	GENSCAN
Start	9824	End	14787
GI	none	Score	.85
Exons	9824..9927, 10445..10495, 13098..13157, 14627..14659, 14744..14787		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o2.gp	Method	AAT/GAP
Start	14150	End	14917
GI	none	Score	1235
Exons	14150..14659, 14744..14917		
Seq. No.	7667	Seq. ID	OJ990601_08.9A22.C43
Gene No.	16170	Strand	-
Start	9824	End	14917
Name	OJ990601_08.9A22.C43.o2.tm	Method	TBLASTX:Maize
Start	14561	End	14896
GI	none	Score	133
Exons	14561..14629, 14562..14660, 14562..14660, 14709..14891, 14738..14890, 14739..14891, 14741..14896		
Seq. No.	7668	Seq. ID	OJ990601_08.9A22.C44
Gene No.	16171	Strand	-

Start	72	End	3881
Name	OJ990601_08.9A22.C44.ol.gs	Method	GENSCAN
Start	72	End	3852
GI	none	Score	.9
Exons	72..131, 1600..1632, 2500..2605, 3661..3852		

Seq. No.	7668	Seq. ID	OJ990601_08.9A22.C44
Gene No.	16171	Strand	-
Start	72	End	3881
Name	OJ990601_08.9A22.C44.ol.gp	Method	AAT/GAP
Start	1123	End	3881
GI	none	Score	1835
Exons	1123..1632, 1717..1865, 2500..2605, 3661..3881		

Seq. No.	7668	Seq. ID	OJ990601_08.9A22.C44
Gene No.	16171	Strand	-
Start	72	End	3881
Name	OJ990601_08.9A22.C44.ol.tm	Method	TBLASTX:Maize
Start	1534	End	3837
GI	none	Score	133
Exons	1534..1602, 1535..1633, 1682..1864, 1711..1863, 1714..1869, 1728..1865, 2499..2606, 2499..2606, 2501..2608, 2501..2608, 3659..3814, 3661..3837		

Seq. No.	7668	Seq. ID	OJ990601_08.9A22.C44
Gene No.	16171	Strand	-
Start	72	End	3881
Name	OJ990601_08.9A22.C44.ol.tw	Method	TBLASTX:Wheat
Start	1781	End	3843
GI	none	Score	128
Exons	1781..1864, 1783..1869, 1783..1863, 2457..2606, 2501..2608, 2501..2608, 3659..3814, 3661..3843		

Seq. No.	7669	Seq. ID	OJ990601_08.9A22.C45
Gene No.	16172	Strand	+
Start	590	End	1107
Name	OJ990601_08.9A22.C45.ol.gp	Method	AAT/GAP
Start	590	End	1107
GI	none	Score	672
Exons	590..788, 935..1107		

Seq. No.	7669	Seq. ID	OJ990601_08.9A22.C45
Gene No.	16173	Strand	-
Start	635	End	892
Name	OJ990601_08.9A22.C45.ol.gs	Method	GENSCAN
Start	635	End	892
GI	none	Score	.89
Exons	635..892		

Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.np	Method	AAT/NAP
Start	1	End	886
GI	4220527	Score	460
Exons	1..278, 404..685, 728..886		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.ts	Method	TBLASTX:Soybean
Start	180	End	667
GI	none	Score	82
Exons	180..278, 184..273, 380..580, 589..660, 590..667, 591..665		387..545, 407..580, 408..581,
Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.tc	Method	TBLASTX:Cress
Start	183	End	640
GI	none	Score	142
Exons	183..278, 395..577, 408..572, 608..640		
Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.tm	Method	TBLASTX:Maize
Start	195	End	682
GI	none	Score	203
Exons	195..278, 381..560, 407..598, 408..587, 609..677, 617..682		
Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.gs	Method	GENSCAN
Start	211	End	651
GI	none	Score	.47
Exons	211..278, 527..651		
Seq. No.	7670	Seq. ID	OJ990601_08.9A22.C47
Gene No.	16174	Strand	-
Start	1	End	886
Name	OJ990601_08.9A22.C47.ol.tw	Method	TBLASTX:Wheat
Start	395	End	682
GI	none	Score	89
Exons	395..565, 395..577, 405..569, 608..682		
Seq. No.	7671	Seq. ID	OJ990601_08.9A22.C50
Gene No.	16175	Strand	-
Start	115	End	459
Name	OJ990601_08.9A22.C50.ol.gs	Method	GENSCAN
Start	115	End	407
GI	none	Score	.87
Exons	115..407		
Seq. No.	7671	Seq. ID	OJ990601_08.9A22.C50
Gene No.	16175	Strand	-
Start	115	End	459
Name	OJ990601_08.9A22.C50.ol.np	Method	AAT/NAP
Start	115	End	459
GI	6598802	Score	69
Exons	115..459		

GI Descrip. (AF024504) putative protein kinase [Arabidopsis thaliana]

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o1.np	Method	AAT/NAP
Start	1	End	375
GI	5777631	Score	440
Exons	1..375		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o1.tc	Method	TBLASTX:Cress
Start	12	End	378
GI	none	Score	198
Exons	12..158, 13..144, 43..174, 223..309, 241..378, 249..377		

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o1.tm	Method	TBLASTX:Maize
Start	15	End	378
GI	none	Score	76
Exons	15..161, 29..106, 34..144, 40..174, 233..367, 244..378, 252..377		

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o1.ts	Method	TBLASTX:Soybean
Start	18	End	404
GI	none	Score	193
Exons	18..158, 28..144, 39..158, 241..387, 241..381, 249..386, 261..404, 263..400		

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o1.tw	Method	TBLASTX:Wheat
Start	29	End	179
GI	none	Score	82
Exons	29..121, 33..179, 34..144, 39..152		

Seq. No.	7672	Seq. ID	OJ990601_08.9A22.C51
Gene No.	16176	Strand	+
Start	1	End	404
Name	OJ990601_08.9A22.C51.o2.tw	Method	TBLASTX:Wheat
Start	220	End	378
GI	none	Score	126
Exons	220..375, 233..367, 244..378, 252..377		

Seq. No.	7673	Seq. ID	OJ990601_03.9A26.C1
Gene No.	16177	Strand	+
Start	66	End	128
Name	OJ990601_03.9A26.C1.o1.gs	Method	GENSCAN
Start	66	End	128

GI	none	Score	.97
Exons	66..128		

Seq. No.	7673	Seq. ID	OJ990601_03.9A26.C1
Gene No.	16178	Strand	-
Start	1	End	299
Name	OJ990601_03.9A26.C1.ol.np	Method	AAT/NAP
Start	1	End	288
GI	6331695	Score	173
Exons	1..99, 193..288		
GI Descrip.	(AB024986).cyclin [Oryza sativa]		

Seq. No.	7673	Seq. ID	OJ990601_03.9A26.C1
Gene No.	16178	Strand	-
Start	1	End	299
Name	OJ990601_03.9A26.C1.ol.gp	Method	AAT/GAP
Start	57	End	299
GI	97_1.R1084	Score	207
Exons	57..99, 193..299		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	7673	Seq. ID	OJ990601_03.9A26.C1
Gene No.	16178	Strand	-
Start	1	End	299
Name	OJ990601_03.9A26.C1.ol.tm	Method	TBLASTX:Maize
Start	57	End	288
GI	none	Score	56
Exons	57..98, 58..105, 59..121, 133..279, 187..288, 191..286		

Seq. No.	7673	Seq. ID	OJ990601_03.9A26.C1
Gene No.	16178	Strand	-
Start	1	End	299
Name	OJ990601_03.9A26.C1.ol.ts	Method	TBLASTX:Soybean
Start	58	End	288
GI	none	Score	61
Exons	58..105, 59..112, 187..264, 187..288, 191..280		

Seq. No.	7674	Seq. ID	OJ990601_03.9A26.C3
Gene No.	16179	Strand	+
Start	279	End	377
Name	OJ990601_03.9A26.C3.ol.gp	Method	AAT/GAP
Start	279	End	377
GI	LIB3477-003-P1-K1-E9	Score	163
Exons	279..377		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	7675	Seq. ID	OJ990601_03.9A26.C4
Gene No.	16180	Strand	-
Start	198	End	511
Name	OJ990601_03.9A26.C4.ol.gs	Method	GENSCAN
Start	198	End	496
GI	none	Score	.5
Exons	198..318, 435..496		

Seq. No.	7675	Seq. ID	OJ990601_03.9A26.C4
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Gene No. 16180
 Start 198
 Name OJ990601_03.9A26.C4.ol.gp
 Start 201
 GI none
 Exons 201..318, 435..511

Strand -
 End 511
 Method AAT/GAP
 End 511
 Score 342

Seq. No. 7676
 Gene No. 16181
 Start 98
 Name OJ990601_03.9A26.C5.ol.gp
 Start 98
 GI 38012_1.R1084
 Exons 98..178

Seq. ID OJ990601_03.9A26.C5
 Strand -
 End 178
 Method AAT/GAP
 End 178
 Score 105

GI Descrip. '4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa
 beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No. 7677
 Gene No. 16182
 Start 1
 Name OJ990601_03.9A26.C6.ol.gp
 Start 1
 GI 90811_1.R1084
 Exons 1..118, 294..351, 434..461, 618..693

Seq. ID OJ990601_03.9A26.C6
 Strand -
 End 693
 Method AAT/GAP
 End 693
 Score 450

GI Descrip. '2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein
 [Schizosaccharomyces pombe]'

Seq. No. 7678
 Gene No. 16183
 Start 248
 Name OJ990601_03.9A26.C7.ol.gs
 Start 248
 GI none
 Exons 248..322, 606..917, 1002..1141, 2006..2069, 2158..2310

Seq. ID OJ990601_03.9A26.C7
 Strand -
 End 2371
 Method GENSCAN
 End 2310
 Score .82

Seq. No. 7678
 Gene No. 16183
 Start 248
 Name OJ990601_03.9A26.C7.ol.tm
 Start 569
 GI none
 Exons 569..907, 606..914, 606..914, 607..915, 973..1143, 999..1142,
 1033..1143, 1995..2063, 2008..2067, 2167..2298, 2179..2277,
 2285..2371, 2290..2370

Seq. ID OJ990601_03.9A26.C7
 Strand -
 End 2371
 Method TBLASTX:Maize
 End 2371
 Score 260

Seq. No. 7678
 Gene No. 16183
 Start 248
 Name OJ990601_03.9A26.C7.ol.ts
 Start 588
 GI none
 Exons 588..917, 634..918, 1002..1136, 1003..1143, 2007..2063

Seq. ID OJ990601_03.9A26.C7
 Strand -
 End 2371
 Method TBLASTX:Soybean
 End 2063
 Score 186

Seq. No. 7678
 Gene No. 16183
 Start 248
 Name OJ990601_03.9A26.C7.ol.np

Seq. ID OJ990601_03.9A26.C7
 Strand -
 End 2371
 Method AAT/NAP

Start	597	End	2034
GI	1707021	Score	496
Exons	597..917, 1002..1172, 1982..2034		
GI Descrip.	(U78721) putative ubiquitin-conjugating enzyme E2 [Arabidopsis thaliana]		

Seq. No.	7678	Seq. ID	OJ990601_03.9A26.C7
Gene No.	16183	Strand	-
Start	248	End	2371
Name	OJ990601_03.9A26.C7.o1.gp	Method	AAT/GAP
Start	606	End	2058
GI	4231_1.R1084	Score	907
Exons	606..917, 1002..1141, 2006..2058		
GI Descrip.	'3757521 1.0e-68 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	7678	Seq. ID	OJ990601_03.9A26.C7
Gene No.	16183	Strand	-
Start	248	End	2371
Name	OJ990601_03.9A26.C7.o1.tw	Method	TBLASTX:Wheat
Start	609	End	1119
GI	none	Score	203
Exons	609..917, 652..918, 1002..1118, 1003..1119		

Seq. No.	7678	Seq. ID	OJ990601_03.9A26.C7
Gene No.	16183	Strand	-
Start	248	End	2371
Name	OJ990601_03.9A26.C7.o1.tc	Method	TBLASTX:Cress
Start	684	End	2262
GI	none	Score	131
Exons	684..914, 721..903, 999..1139, 1036..1131, 1995..2063, 2170..2262		

Seq. No.	7679	Seq. ID	OJ990601_03.9A26.C8
Gene No.	16184	Strand	+
Start	622	End	849
Name	OJ990601_03.9A26.C8.o2.gp	Method	AAT/GAP
Start	622	End	849
GI	none	Score	383
Exons	622..849		

Seq. No.	7679	Seq. ID	OJ990601_03.9A26.C8
Gene No.	16185	Strand	-
Start	288	End	928
Name	OJ990601_03.9A26.C8.o1.tm	Method	TBLASTX:Maize
Start	277	End	827
GI	none	Score	80
Exons	277..345, 290..349, 449..547, 459..506, 461..559, 567..671, 572..664, 583..672, 586..756, 779..826, 786..827, 787..816, 795..827		

Seq. No.	7679	Seq. ID	OJ990601_03.9A26.C8
Gene No.	16185	Strand	-
Start	288	End	928
Name	OJ990601_03.9A26.C8.o1.gp	Method	AAT/GAP
Start	288	End	608
GI	uC-osflcyp096e11b1	Score	411

Exons 288..351, 440..608
 GI Descrip. '3757521 4.0e-17 (AC005167) unknown protein [Arabidopsis thaliana]'

Seq. No.	7679	Seq. ID	OJ990601_03.9A26.C8
Gene No.	16185	Strand	-
Start	288	End	928
Name	OJ990601_03.9A26.C8.o1.tc	Method	TBLASTX:Cress
Start	567	End	928
GI	none	Score	132
Exons	567..671, 572..664, 583..672, 586..756, 779..928, 795..851		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16186	Strand	+
Start	206	End	1123
Name	OJ990601_03.9A26.C9.o1.gs	Method	GENSCAN
Start	206	End	1123
GI	none	Score	.86
Exons	206..345, 397..512, 918..1123		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16187	Strand	+
Start	1713	End	2206
Name	OJ990601_03.9A26.C9.o1.gp	Method	AAT/GAP
Start	1713	End	2206
GI	none	Score	789
Exons	1713..2206		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.gs	Method	GENSCAN
Start	2242	End	10087
GI	none	Score	.71
Exons	2242..3279, 3452..3607, 4625..5383, 6708..6947, 8911..9177, 9567..10087		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o1.np	Method	AAT/NAP
Start	2284	End	6914
GI	2062175	Score	1393
Exons	2284..3279, 3452..3607, 4625..5383, 6708..6914		
GI Descrip.	(AC001645) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o1.tm	Method	TBLASTX:Maize
Start	2354	End	4696
GI	none	Score	85
Exons	2354..2413, 2354..2422, 2355..2414, 2356..2418, 2356..2436, 2375..2650, 2380..2493, 2396..2656, 2400..2660, 2554..2661, 2641..2988, 2642..2989, 2642..2989, 2945..3025, 2995..3054, 3037..3156, 3056..3100, 3060..3101, 3165..3239, 3167..3217, 3241..3279, 3242..3286, 3449..3616, 3450..3608, 4613..4696,		

4619..4696

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o4.ts	Method	TBLASTX:Soybean
Start	2794	End	5051
GI	none	Score	59
Exons	2794..2850, 2947..3024, 2948..3025, 3130..3204, 3449..3610, 3450..3608, 4613..4789, 4623..4805, 4624..4812, 4872..5003, 4919..5005, 5007..5051		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.gp	Method	AAT/GAP
Start	2914	End	3141
GI	2309882	Score	415
Exons	2914..3141		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o3.gp	Method	AAT/GAP
Start	3494	End	4982
GI	uC-osroM202039b11b1	Score	908
Exons	3494..3607, 4625..4982		
GI Descrip.	'2062175 3.0e-34 (AC001645) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o3.tm	Method	TBLASTX:Maize
Start	4842	End	5301
GI	none	Score	204
Exons	4842..5009, 4845..5018, 4898..5023, 4994..5293, 4994..5299, 5022..5300, 5029..5301, 5197..5301		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o1.tc	Method	TBLASTX:Cress
Start	4907	End	5344
GI	none	Score	56
Exons	4907..5065, 4917..4979, 5025..5066, 5087..5344, 5088..5342		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.ts	Method	TBLASTX:Soybean
Start	5303	End	6923
GI	none	Score	99
Exons	5303..5386, 5307..5387, 5310..5399, 5312..5398, 6732..6923		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-

Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o5.tm	Method	TBLASTX:Maize
Start	5334	End	6953
GI	none	Score	75
Exons	5334..5387, 5336..5401, 6704..6751, 6732..6770, 6768..6821, 6825..6890, 6853..6891, 6891..6953		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.tc	Method	TBLASTX:Cress
Start	6732	End	6918
GI	none	Score	72
Exons	6732..6917, 6853..6918		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o4.tm	Method	TBLASTX:Maize
Start	8868	End	9135
GI	none	Score	103
Exons	8868..9032, 8868..9089, 8870..9094, 8968..9093, 9091..9135, 9095..9133		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.np	Method	AAT/NAP
Start	8872	End	10180
GI	6850339	Score	828
Exons	8872..9177, 9567..10180		
GI Descrip.	(AC022354) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o1.ts	Method	TBLASTX:Soybean
Start	8875	End	9151
GI	none	Score	130
Exons	8875..9072, 8875..9150, 8921..9151		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o2.tm	Method	TBLASTX:Maize
Start	9569	End	9993
GI	none	Score	384
Exons	9569..9670, 9570..9974, 9570..9992, 9571..9993		

Seq. No.	7680	Seq. ID	OJ990601_03.9A26.C9
Gene No.	16188	Strand	-
Start	2242	End	10180
Name	OJ990601_03.9A26.C9.o3.ts	Method	TBLASTX:Soybean
Start	9801	End	10091
GI	none	Score	139
Exons	9801..9908, 9873..10091, 9901..10089, 9957..10091		

Seq. No.	7681	Seq. ID	OJ990601_03.9A26.C10
Gene No.	16189	Strand	-
Start	1	End	5044
Name	OJ990601_03.9A26.C10.o1.np	Method	AAT/NAP
Start	1	End	5044
GI	6850339	Score	1035
Exons	1..301, 1020..1158, 1864..2174, 2660..3049, 3162..3205, 3308..3362, 3468..3512, 3789..3878, 4889..5044		
GI Descrip.	(AC022354) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	7681	Seq. ID	OJ990601_03.9A26.C10
Gene No.	16189	Strand	-
Start	1	End	5044
Name	OJ990601_03.9A26.C10.o1.gs	Method	GENSCAN
Start	52	End	4942
GI	none	Score	.86
Exons	52..292, 886..936, 1020..1158, 1909..2174, 2660..3049, 3162..3205, 3308..3362, 3468..3512, 3789..3878, 4889..4942		

Seq. No.	7681	Seq. ID	OJ990601_03.9A26.C10
Gene No.	16189	Strand	-
Start	1	End	5044
Name	OJ990601_03.9A26.C10.o1.tw	Method	TBLASTX:Wheat
Start	170	End	2025
GI	none	Score	72
Exons	170..295, 171..293, 172..294, 173..301, 886..933, 903..932, 1011..1196, 1012..1158, 1911..2024, 1911..2024, 1912..2025		

Seq. No.	7681	Seq. ID	OJ990601_03.9A26.C10
Gene No.	16189	Strand	-
Start	1	End	5044
Name	OJ990601_03.9A26.C10.o1.tm	Method	TBLASTX:Maize
Start	254	End	2195
GI	none	Score	40
Exons	254..289, 877..930, 909..932, 1011..1157, 1050..1157, 1902..2030, 1908..2030, 1909..2031, 2020..2175, 2031..2174, 2037..2195		

Seq. No.	7681	Seq. ID	OJ990601_03.9A26.C10
Gene No.	16189	Strand	-
Start	1	End	5044
Name	OJ990601_03.9A26.C10.o1.ts	Method	TBLASTX:Soybean
Start	2996	End	4927
GI	none	Score	69
Exons	2996..3049, 3157..3213, 3159..3206, 3298..3369, 3306..3368, 3465..3506, 3469..3513, 3789..3884, 3790..3885, 4850..4927		

Seq. No.	7682	Seq. ID	OJ990601_03.9A26.C11
Gene No.	16190	Strand	+
Start	619	End	2240
Name	OJ990601_03.9A26.C11.o1.gs	Method	GENSCAN
Start	619	End	2240
GI	none	Score	.85
Exons	619..720, 2006..2240		

Seq. No.	7683	Seq. ID	OJ990601_03.9A26.C12
Gene No.	16191	Strand	-

Start	546	End	1473
Name	OJ990601_03.9A26.C12.o1.gs	Method	GENSCAN
Start	546	End	1473
GI	none	Score	.42
Exons	546..621, 1439..1473		

Seq. No.	7684	Seq. ID	OJ990601_03.9A26.C13
Gene No.	16192	Strand	+
Start	3310	End	3390
Name	OJ990601_03.9A26.C13.o1.gp	Method	AAT/GAP
Start	3310	End	3390
GI	38012_1.R1084	Score	106
Exons	3310..3390		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	7684	Seq. ID	OJ990601_03.9A26.C13
Gene No.	16193	Strand	+
Start	5068	End	7598
Name	OJ990601_03.9A26.C13.o2.gs	Method	GENSCAN
Start	5068	End	7598
GI	none	Score	.44
Exons	5068..5106, 5236..5376, 7530..7598		

Seq. No.	7684	Seq. ID	OJ990601_03.9A26.C13
Gene No.	16194	Strand	-
Start	3617	End	3994
Name	OJ990601_03.9A26.C13.o1.gs	Method	GENSCAN
Start	3617	End	3994
GI	none	Score	.64
Exons	3617..3800, 3942..3994		

Seq. No.	7684	Seq. ID	OJ990601_03.9A26.C13
Gene No.	16195	Strand	-
Start	9304	End	10368
Name	OJ990601_03.9A26.C13.o3.gs	Method	GENSCAN
Start	9304	End	10368
GI	none	Score	.79
Exons	9304..9555, 9599..9783, 9866..10050, 10242..10368		

Seq. No.	7685	Seq. ID	OJ990601_03.9A26.C14
Gene No.	16196	Strand	+
Start	424	End	2000
Name	OJ990601_03.9A26.C14.o1.gs	Method	GENSCAN
Start	424	End	2000
GI	none	Score	.85
Exons	424..1332, 1479..2000		

Seq. No.	7685	Seq. ID	OJ990601_03.9A26.C14
Gene No.	16196	Strand	+
Start	424	End	2000
Name	OJ990601_03.9A26.C14.o1.np	Method	AAT/NAP
Start	678	End	1748
GI	5668798	Score	387
Exons	678..1347, 1377..1748		
GI Descrip.	(AC007519) Contains 6 PF 00400 WD40 G-beta repeat domains. [Arabidopsis thaliana]		

Seq. No.	7686	Seq. ID	OJ990601_03.9A26.C15
Gene No.	16197	Strand	+
Start	628	End	693
Name	OJ990601_03.9A26.C15.o1.gs	Method	GENSCAN
Start	628	End	693
GI	none	Score	.47
Exons	628..693		
Seq. No.	7686	Seq. ID	OJ990601_03.9A26.C15
Gene No.	16198	Strand	-
Start	64	End	254
Name	OJ990601_03.9A26.C15.o1.gp	Method	AAT/GAP
Start	64	End	254
GI	none	Score	352
Exons	64..254		
Seq. No.	7687	Seq. ID	OJ990601_03.9A26.C18
Gene No.	16199	Strand	+
Start	64	End	480
Name	OJ990601_03.9A26.C18.o1.gp	Method	AAT/GAP
Start	64	End	480
GI	90811_1.R1084	Score	413
Exons	64..121, 297..480		
GI Descrip.	'2388999/emb CAB11732 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		
Seq. No.	7687	Seq. ID	OJ990601_03.9A26.C18
Gene No.	16200	Strand	+
Start	481	End	727
Name	OJ990601_03.9A26.C18.o2.gp	Method	AAT/GAP
Start	481	End	727
GI	none	Score	406
Exons	481..727		
Seq. No.	7688	Seq. ID	OJ990601_03.9A26.C19
Gene No.	16201	Strand	-
Start	237	End	1151
Name	OJ990601_03.9A26.C19.o1.gs	Method	GENSCAN
Start	237	End	1151
GI	none	Score	.61
Exons	237..258, 595..704, 1089..1151		
Seq. No.	7689	Seq. ID	OJ990601_03.9A26.C20
Gene No.	16202	Strand	-
Start	1	End	1288
Name	OJ990601_03.9A26.C20.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	6850339	Score	602
Exons	1..220, 302..476, 576..789, 1120..1288		
GI Descrip.	(AC022354) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	7689	Seq. ID	OJ990601_03.9A26.C20
Gene No.	16202	Strand	-
Start	1	End	1288
Name	OJ990601_03.9A26.C20.o1.ts	Method	TBLASTX:Soybean
Start	31	End	359

GI	none	Score	149
Exons	31..198, 32..196, 46..237, 289..357, 302..355, 303..359		
Seq. No.	7689	Seq. ID	OJ990601_03.9A26.C20
Gene No.	16202	Strand	-
Start	1	End	1288
Name	OJ990601_03.9A26.C20.o1.tc	Method	TBLASTX:Cress
Start	127	End	627
GI	none	Score	76
Exons	127..216, 128..220, 304..477, 317..475, 562..627, 583..618		
Seq. No.	7689	Seq. ID	OJ990601_03.9A26.C20
Gene No.	16202	Strand	-
Start	1	End	1288
Name	OJ990601_03.9A26.C20.o1.tm	Method	TBLASTX:Maize
Start	180	End	776
GI	none	Score	56
Exons	180..218, 181..222, 182..223, 299..556, 301..558, 306..557, 307..558, 616..774, 621..776, 637..771		
Seq. No.	7689	Seq. ID	OJ990601_03.9A26.C20
Gene No.	16202	Strand	-
Start	1	End	1288
Name	OJ990601_03.9A26.C20.o1.tw	Method	TBLASTX:Wheat
Start	664	End	795
GI	none	Score	110
Exons	664..789, 666..788, 667..795		
Seq. No.	7690	Seq. ID	OJ990601_03.9A26.C21
Gene No.	16203	Strand	+
Start	180	End	839
Name	OJ990601_03.9A26.C21.o1.gs	Method	GENSCAN
Start	180	End	839
GI	none	Score	.99
Exons	180..839		
Seq. No.	7691	Seq. ID	OJ990601_03.9A26.C22
Gene No.	16204	Strand	-
Start	338	End	436
Name	OJ990601_03.9A26.C22.o1.gs	Method	GENSCAN
Start	338	End	436
GI	none	Score	.47
Exons	338..436		
Seq. No.	7692	Seq. ID	OJ990601_03.9A26.C24
Gene No.	16205	Strand	+
Start	119	End	207
Name	OJ990601_03.9A26.C24.o1.gs	Method	GENSCAN
Start	119	End	207
GI	none	Score	.73
Exons	119..207		
Seq. No.	7693	Seq. ID	OJ990601_03.9A26.C26
Gene No.	16206	Strand	+
Start	1	End	1823
Name	OJ990601_03.9A26.C26.o1.np	Method	AAT/NAP
Start	1	End	1823

GI	6331695	Score	181
Exons	1..45, 1591..1686, 1780..1823		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		
Seq. No.	7693	Seq. ID	OJ990601_03.9A26.C26
Gene No.	16206	Strand	+
Start	1	End	1823
Name	OJ990601_03.9A26.C26.o2.tm	Method	TBLASTX:Maize
Start	425	End	653
GI	none	Score	123
Exons	425..652, 426..653		
Seq. No.	7693	Seq. ID	OJ990601_03.9A26.C26
Gene No.	16206	Strand	+
Start	1	End	1823
Name	OJ990601_03.9A26.C26.o1.tm	Method	TBLASTX:Maize
Start	1591	End	1823
GI	none	Score	164
Exons	1591..1692, 1593..1688, 1600..1746, 1758..1823, 1774..1821		
Seq. No.	7693	Seq. ID	OJ990601_03.9A26.C26
Gene No.	16206	Strand	+
Start	1	End	1823
Name	OJ990601_03.9A26.C26.o1.ts	Method	TBLASTX:Soybean
Start	1591	End	1823
GI	none	Score	140
Exons	1591..1692, 1599..1688, 1615..1692, 1767..1823, 1774..1821		
Seq. No.	7693	Seq. ID	OJ990601_03.9A26.C26
Gene No.	16206	Strand	+
Start	1	End	1823
Name	OJ990601_03.9A26.C26.o1.gp	Method	AAT/GAP
Start	1592	End	1823
GI	97_1.R1084	Score	237
Exons	1592..1686, 1780..1823		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	7694	Seq. ID	OJ990601_03.9A26.C27
Gene No.	16207	Strand	+
Start	1	End	783
Name	OJ990601_03.9A26.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	558
GI	none	Score	141
Exons	1..144, 7..144, 227..388, 241..387, 254..388, 255..389, 306..398, 477..557, 478..558, 479..547		
Seq. No.	7694	Seq. ID	OJ990601_03.9A26.C27
Gene No.	16207	Strand	+
Start	1	End	783
Name	OJ990601_03.9A26.C27.o1.gp	Method	AAT/GAP
Start	1	End	783
GI	97_1.R1084	Score	884
Exons	1..145, 255..389, 480..783		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	7694	Seq. ID	OJ990601_03.9A26.C27
Gene No.	16207	Strand	+

Start	1	End	783
Name	OJ990601_03.9A26.C27.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6331695	Score	524
Exons	1..145, 255..389, 480..548		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	7694	Seq. ID	OJ990601_03.9A26.C27
Gene No.	16207	Strand	+
Start	1	End	783
Name	OJ990601_03.9A26.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	546
GI	none	Score	108
Exons	2..151, 4..141, 254..388, 255..389, 477..539, 478..546, 479..532		

Seq. No.	7694	Seq. ID	OJ990601_03.9A26.C27
Gene No.	16207	Strand	+
Start	1	End	783
Name	OJ990601_03.9A26.C27.o1.tc	Method	TBLASTX:Cress
Start	255	End	542
GI	none	Score	160
Exons	255..389, 257..388, 477..542, 479..532		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16208	Strand	+
Start	1041	End	3480
Name	OJ990601_03.9A26.C28.o1.gp	Method	AAT/GAP
Start	1041	End	3480
GI	18485_1.R1084	Score	2304
Exons	1041..1143, 1300..1440, 1545..1634, 1726..1813, 2671..3480		
GI Descrip.	'1592812/emb CAA65195 6.0e-12 (X95957) 22 kDa polypeptide [Nicotiana tabacum]'		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16208	Strand	+
Start	1041	End	3480
Name	OJ990601_03.9A26.C28.o1.gs	Method	GENSCAN
Start	1336	End	3002
GI	none	Score	.82
Exons	1336..1440, 1545..1634, 1726..1813, 2671..3002		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16208	Strand	+
Start	1041	End	3480
Name	OJ990601_03.9A26.C28.o1.np	Method	AAT/NAP
Start	1339	End	2975
GI	1592812	Score	259
Exons	1339..1446, 1545..1634, 1726..1813, 2671..2975		
GI Descrip.	(X95957) 22 kDa polypeptide [Nicotiana tabacum]		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16209	Strand	-
Start	4413	End	10631
Name	OJ990601_03.9A26.C28.o1.tm	Method	TBLASTX:Maize
Start	1329	End	1821
GI	none	Score	164
Exons	1329..1364, 1333..1440, 1349..1441, 1545..1571, 1579..1635,		

1580..1639, 1720..1821, 1725..1817

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16209	Strand	-
Start	4413	End	10631
Name	OJ990601_03.9A26.C28.o1.tw	Method	TBLASTX:Wheat
Start	1330	End	1752
GI	none	Score	176
Exons	1330..1440, 1349..1441, 1545..1571, 1579..1635, 1580..1636, 1720..1752		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16209	Strand	-
Start	4413	End	10631
Name	OJ990601_03.9A26.C28.o2.gs	Method	GENSCAN
Start	4413	End	10631
GI	none	Score	.91
Exons	4413..4438, 4762..4848, 6545..6591, 6649..7333, 7442..7532, 7721..7906, 8349..8600, 8930..9034, 9615..9677, 10542..10631		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16209	Strand	-
Start	4413	End	10631
Name	OJ990601_03.9A26.C28.o3.gp	Method	AAT/GAP
Start	6993	End	7238
GI	2796687	Score	429
Exons	6993..7238		

Seq. No.	7695	Seq. ID	OJ990601_03.9A26.C28
Gene No.	16209	Strand	-
Start	4413	End	10631
Name	OJ990601_03.9A26.C28.o2.tm	Method	TBLASTX:Maize
Start	7700	End	8450
GI	none	Score	82
Exons	7700..7906, 8349..8450		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16210	Strand	+
Start	7580	End	9674
Name	OJ990601_03.9A26.C29.o1.gp	Method	AAT/GAP
Start	7580	End	9674
GI	2309855	Score	791
Exons	7580..7798, 8514..8603, 9210..9236, 9577..9674		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16211	Strand	+
Start	12922	End	13177
Name	OJ990601_03.9A26.C29.o2.gp	Method	AAT/GAP
Start	12922	End	13177
GI	none	Score	508
Exons	12922..13177		

Seq. No.	7696	Seq. ID	OJ990601_03.9A26.C29
Gene No.	16212	Strand	-
Start	914	End	2684
Name	OJ990601_03.9A26.C29.o1.np	Method	AAT/NAP
Start	914	End	2684